

Kellele on minu
veeb mugav?

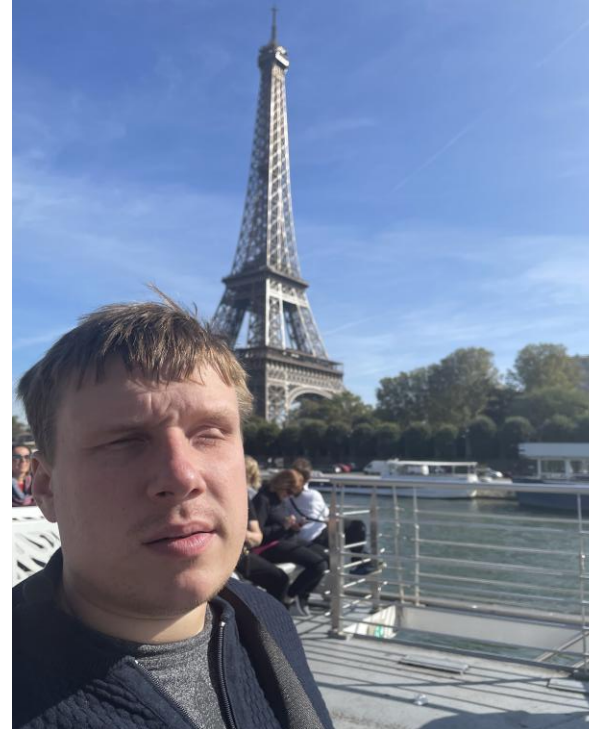
visit PÄRNU

 **LIGIPÄÄSUKE**

Detsember 2023, Pärnus

Jakob Rosin- ligipääsetavuse ekspert ja koolitaja

- Ligipääsetavuse konsultatsioonid
- Digi ligipääsetavuse auditid
- Ligipääsetavuse koolitused
- Ligipääsetavad sündmused
- Füüsiline ligipääsetavus
- Kirjeldustõlge





•Ahaa ligipääsetavus!

Halb ligipääsetavus mõjutab:

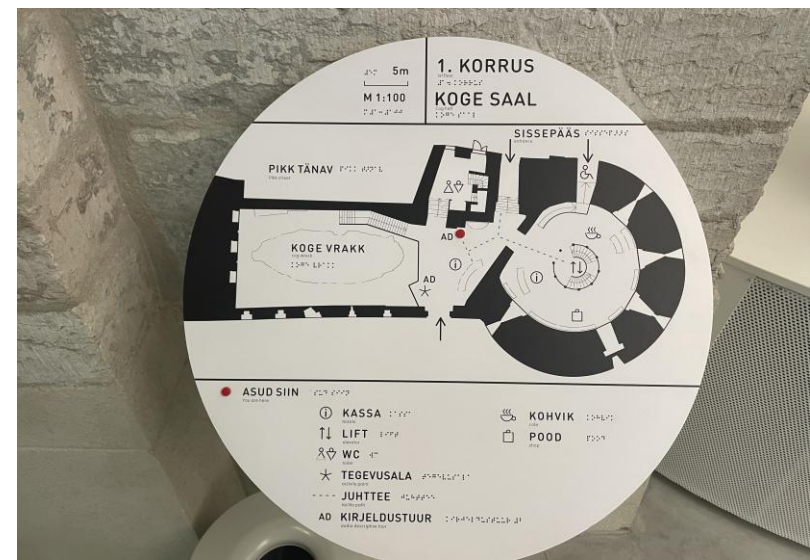
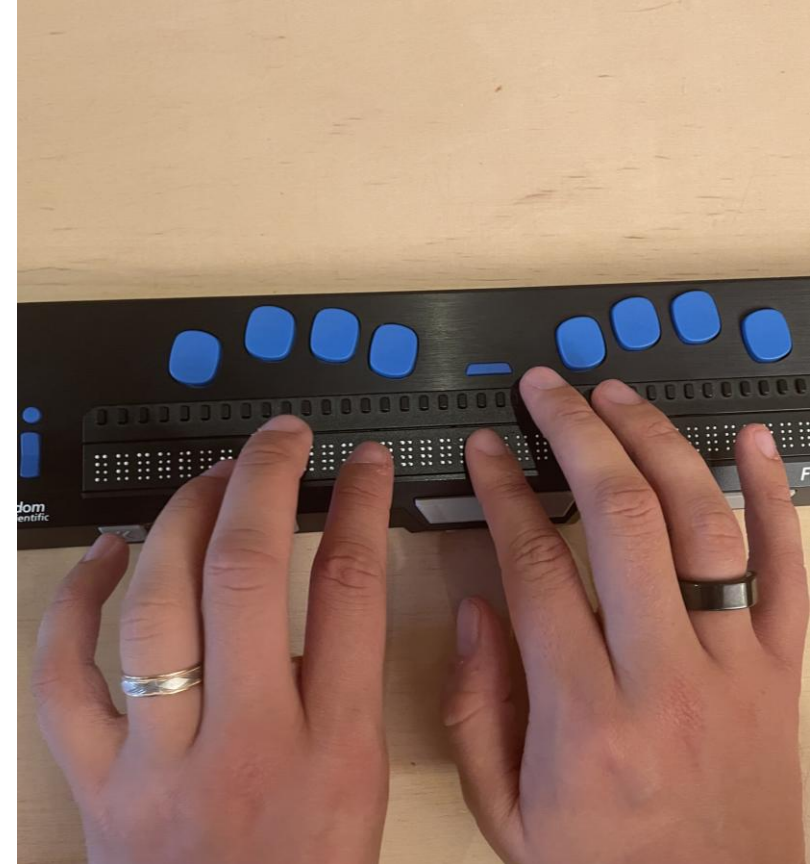
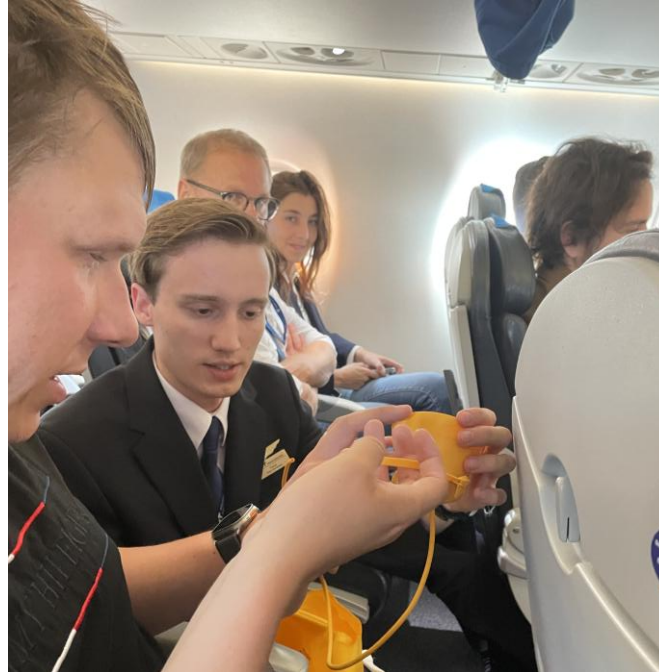
- Puuetega inimesi: Eestis ca 150000, Lätis 200000
- Eakaid Eestis ca 270 600
- 39 % 16+ vanuses inimestest ütleb, et nad on poole aasta jooksul kogunud tervisest tulenevaid piiranguid, 13% olulisi piiranguid

[Allikas: Riigikantselei](#)

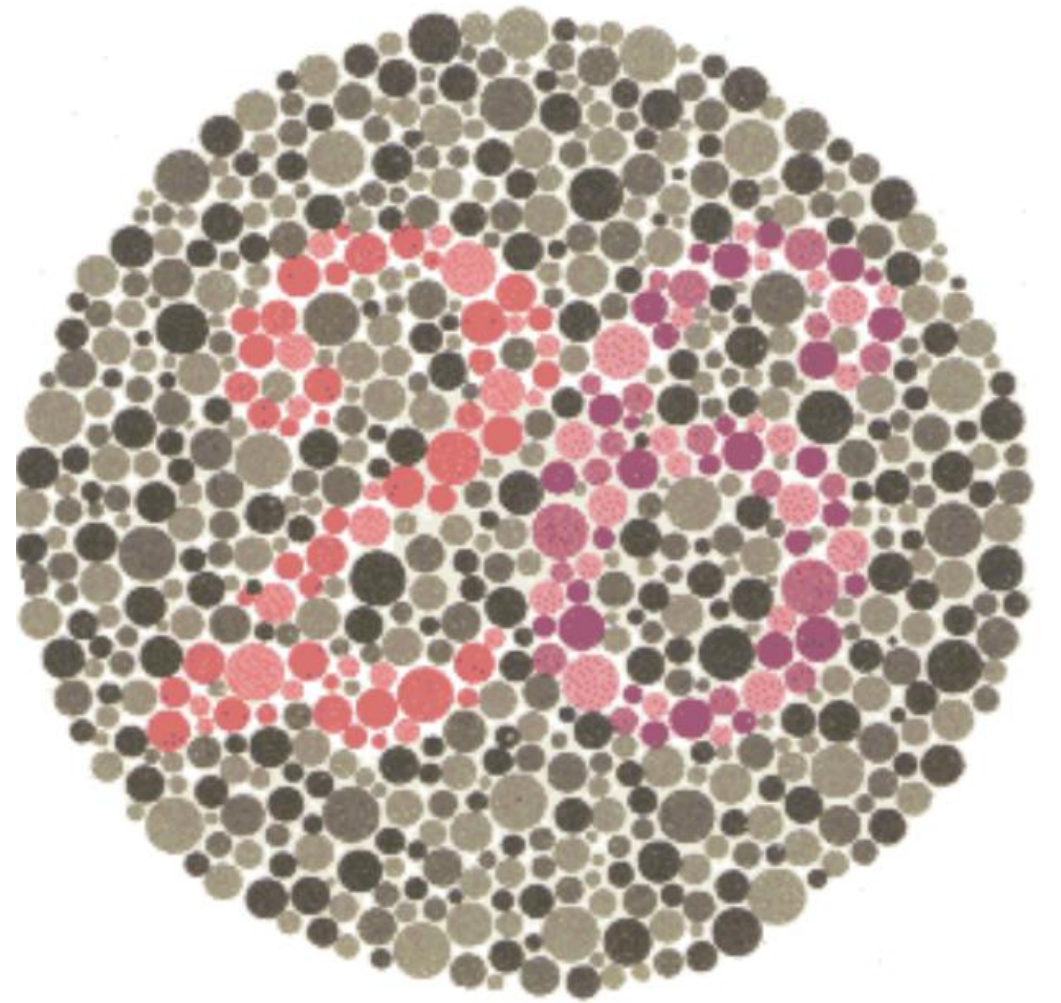
Kui kaugel on täna ligipääsetavus?

- 96,3% populaarsemast miljonist lehest on ligipääsetavuse probleemidega
- 45% iOs, 59% androidi kasutajatest kasutab üht või enamat ligipääsetavuse lahendust
- Populaarseimad: suurem tekst, tume režiim, ekraani suurendus

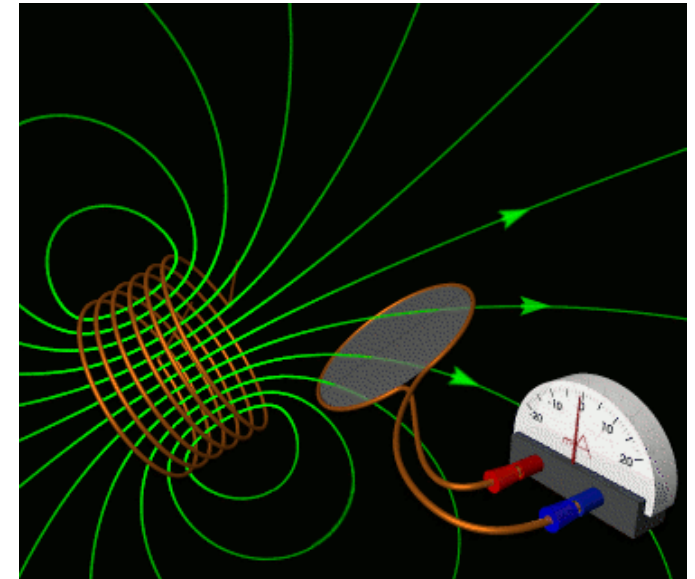
- Nägemispuudega inimeste abivahendid



Värvipimedus



Kuulmispuudega inimeste abivahendid



Video with captions, subtitles, chapters, and a transcript

ableplayer.github.io/ableplayer/demos/video3.html

Validate Imporditud Firefoxist Accessibility Confor... Headings • Page Str... Microsoft Mesh feel... Text spacing

Able Player Demos

[More demos](#) [Able Player Home](#)

Video with captions, subtitles, chapters, and a transcript



0:00 / 0:52 Speed: 1x Paused

The image shows a web browser window displaying a video player. The browser's address bar shows the URL 'ableplayer.github.io/ableplayer/demos/video3.html'. Below the address bar, there are several utility icons: 'Validate', 'Imporditud Firefoxist', 'Accessibility Confor...', 'Headings • Page Str...', 'Microsoft Mesh feel...', and 'Text spacing'. The main content area features a large heading 'Able Player Demos' and two links: 'More demos' and 'Able Player Home'. Below this is a sub-heading 'Video with captions, subtitles, chapters, and a transcript'. The video player itself is the central focus, showing a dark background with the text 'WORLD WIDE ACCESS' in a glowing blue font. A large, semi-transparent play button is centered over the text. At the bottom of the video player, there is a progress bar and a control bar. The progress bar shows '0:00 / 0:52'. The control bar includes icons for play, stop, previous, next, full screen, and volume. The text 'Speed: 1x' and 'Paused' is displayed at the bottom right of the control bar.

Motoorikahäiretega inimeste
abivahendid



Intellektipuudega inimeste abivahendid

Koroonaviiruse test

arst tuleb sinu juurde,
tal on kaitseriides seljas



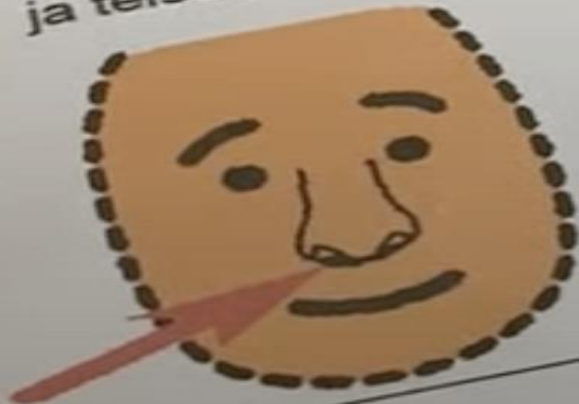
istu rahulikult



arst paneb vatitiku
ninna ja võtab ühe proovi



ja teise proovi



kõik on hästi



Lihtne keel



- Riigikogus töötab 101 Riigikogu liiget.
- Riigikogu liikmed võtavad vastu tähtsaid seaduseid ja otsuseid, mis puudutavad Eesti inimeste elu.
- Iga 4 aasta järel saavad Eesti inimesed ise valida, kes võiks olla järgmise Riigikogu liikmed.
- Igaüks hääletab selle poliitiku poolt, kes tema arvates kõige paremini Riigikokku sobib.
- Seda nimetatakse: Riigikogu valimised.

Kes saab valimistel
hääletada?



Hääletada saavad kõik vähemalt 18-aastased Eesti kodanikud.

Hääletada ei saa:

- need, kellel pole valimistel allkirjaõigust
- need, kes vanglas oma karistust kannavad

Hääletamine on vaba-tahtlik: sa ei pea hääletama, kui sa ei taha.

Vaimupuu.ee

Kehv kontrastsus

*Pagana vilets font,
jube kehvasti saab
aru*

*Teen väga ilusa kirjaga, sest see meeldib
mulle nii väga!*

Vilets kontrastsus

Ära erista asju ainult värviga

Name

Company

Paranda vead punasega tähistatud väljal

Name

This field is required.

Company

This field is required.

Sissezoomimise halb näide

Alkohol 64

Likiery miody i nalewki 7

Piwo 4

Wina i szampany 53

Filtry

Tylko oferty

Kup teraz

Top ceny

Cena

\$ \$\$ \$\$\$

najtaniej od 35 zł od 51 zł

FILTRUJ

Produkty Sortuj od rekomendowanych produktów 1 z 2 >



Ginsin 0% Gin bezalkoholowy

★★★★★ 4 opinie

39,99 zł

IDŹ DO SKLEPU



INNA DAOS CEBERNET FREE

Napisz opinię

24,95 zł

IDŹ DO SKLEPU



Vina 0° Merlot Biohalal Wino

★★★★★ 1 opinia

od **41,55 zł**

PORÓWNAJ CENY



Vendome Wino Musujące Bio

Napisz opinię

41,50 zł

IDŹ DO SKLEPU

Alkohol 64

Likiery miody i nalewki 7

Piwo 4

Wina i szampany 53

Filtry


Tylko oferty

Kup teraz

Top ceny

FILTRUJ


Produkty Sortuj od rekomendowanych produktów



Ginsin 0% Gin bezalkoholowy

★★★★★ 4 opinie


39,99 zł



INNA DAOS CEBERNET FREE

Napisz opinię

24,95 zł



Vina 0° Merlot Biohalal Wino

★★★★★ 1 opinia

od **41,55 zł**

Ve
N


64

7

4

53


Produkty Sortuj od rekomendowanych produktów 1 z 2 >



Ginsin 0% Gin bezalkoholowy

★★★★★ 4 opinie


39,99 zł



INNA DAOS CEBERNET FREE

Napisz opinię


24,95 zł



Vina 0° Merlot Biohalal Wino

★★★★★ 1 opinia

od **41,55 zł**



Vendome Wino Musujące Bio

Napisz opinię

41,50 zł

Toodete ja teenuste ligipääsetavuse seadus

kehtib alates

28.06.2025

Enne 2025. aasta 28. juunit sõlmitud teenuseleping, mille tingimused kohalduvaid ligipääsetavusnõudeid ei arvesta, kehtib edasi muutmata kujul kuni selle kehtivusaja lõpuni, kuid kõige kauem 2030. aasta 28. juunini.

Kehtivusala

- Arvutid ja operatsioonisüsteemid
- Pangaautomaadid, piletiautomaadid ja registreerimis, näiteks check-in automaadid
- Nutitelefonid
- Digi TV seadmed, näiteks digiboxid
- Telefoniteenuse pakkumiseks mõeldud seadmed
- Audiovisuaalmeedia teenuste kasutamiseks vajalikud seadmed ja teenused
- Ühistransporditeenused
- Pangandusteenused
- E-raamatud
- E-kaubandus

Kellele seadus ei kehti?

- Mikroettevõttele, kel on vähem kui 10 töötajat
- Aastane käive alla 2 miljoni euro
- Ligipääsetavust ei kohaldata veebilehe ja äpi sisule mis on:
 - enne 28.06.2025 avaldatud heli või videosisu või kontoritarkvara failiformaat (pdf, docx, xls jms)
 - veebilehe või äpi sisu, mida peale 28.06.2025 enam ei uuendata ega muudeta.

- Euroopa digiligi päasetavuse standard EN 301 549



Neli põhiprintsiipi

- Töökindlus
- Tajutavus
- Mõistetavus
- Kasutatavus





Mittetekstiline sisu

9.1.1.1. Non text content.

All non-text content that is presented to the user has a text alternative that serves the equivalent purpose, except for the situations listed below.

- Controls, Input: If non-text content is a control or accepts user input, then it has a name that describes its purpose.
-

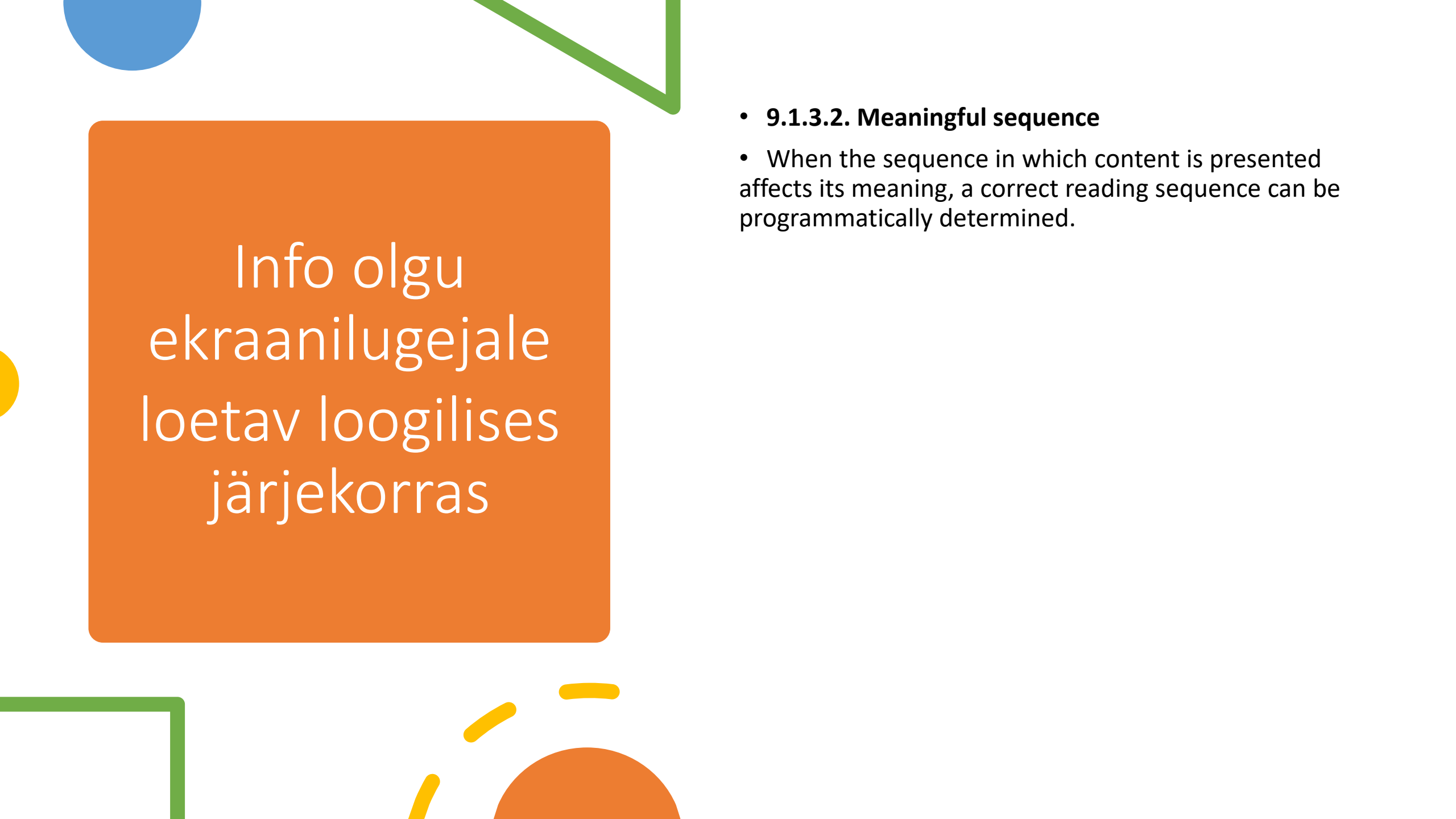
for additional requirements for controls and content that accepts user input.

- Time-Based Media: If non-text content is time-based media, then text alternatives at least provide descriptive identification of the non-text content.



Visuaalselt nähtav olgu tähistatud ka koodis

- **9.1.3.1 Info and relationships**
- Information, structure, and relationships conveyed through presentation can be programmatically determined or are available in text.



Info olgu
ekraanilugejale
loetav loogilises
järjekorras

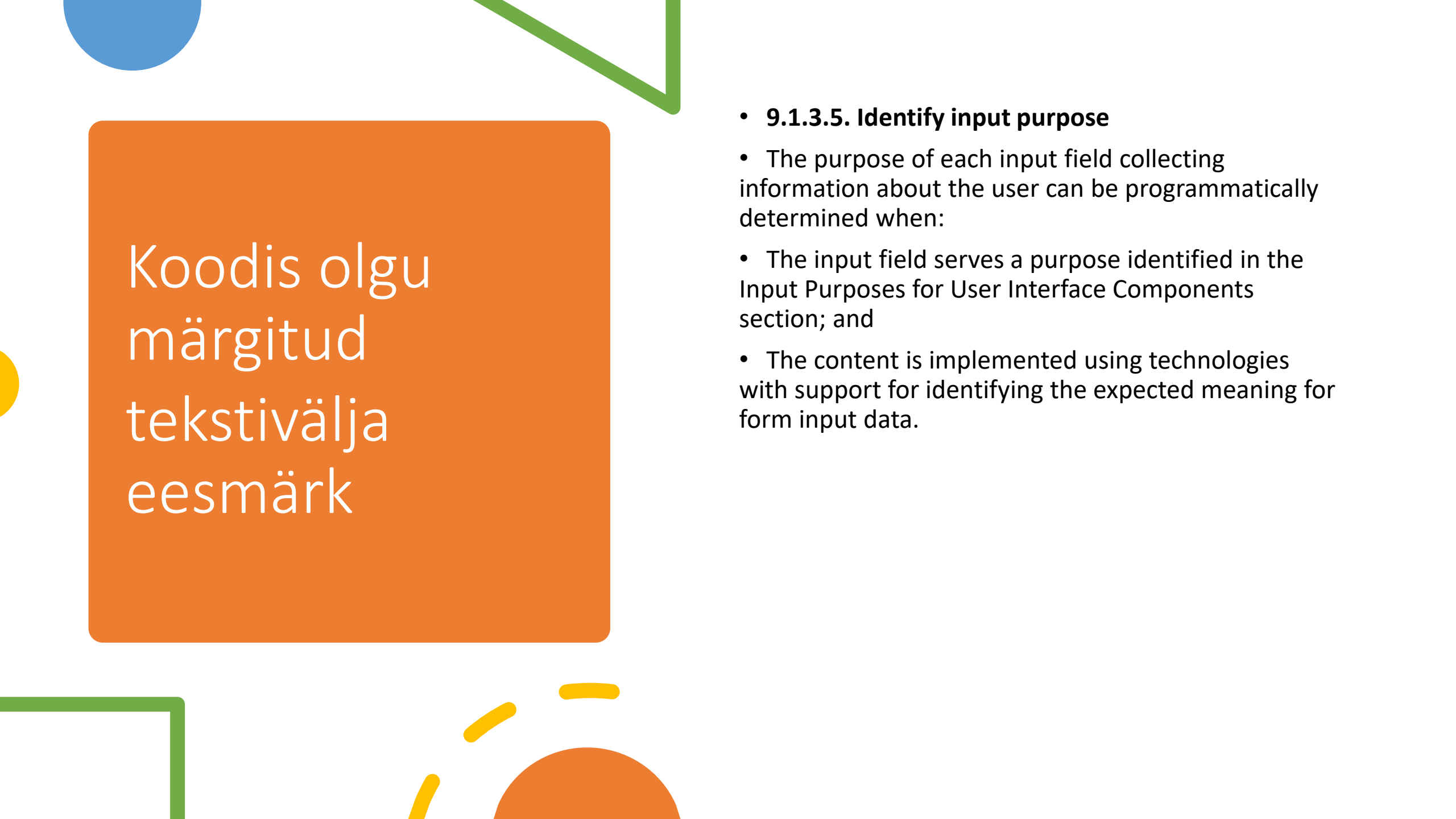
- **9.1.3.2. Meaningful sequence**
- When the sequence in which content is presented affects its meaning, a correct reading sequence can be programmatically determined.

Visuaal
käigu
kaasas
seadme
asendiga

- **9.1.3.4 Orientation**

- Content does not restrict its view and operation to a single display orientation, such as portrait or landscape, unless a specific display orientation is essential.







Koodis olgu
märgitud
tekstivälja
eesmärk


- **9.1.3.5. Identify input purpose**
- The purpose of each input field collecting information about the user can be programmatically determined when:
 - The input field serves a purpose identified in the Input Purposes for User Interface Components section; and
 - The content is implemented using technologies with support for identifying the expected meaning for form input data.

Teksti ja tausta vaheline hea kontrast on ülioluline

- **9.1.4.3. Contrast, Minimum.**
 - The visual presentation of text and images of text has a contrast ratio of at least 4.5:1, except for the following:
 - Large Text: Large-scale text and images of large-scale text have a contrast ratio of at least 3:1;
 - Incidental: Text or images of text that are part of an inactive user interface component, that are pure decoration, that are not visible to anyone, or that are part of a picture that contains significant other visual content, have no contrast requirement.
 - Logotypes: Text that is part of a logo or brand name has no contrast requirement.
- 



Sissezoomimisel
ei tohi
veebilehelt
asjad peitu
minna

- **9.1.4.10 Reflow**
 - Content can be presented without loss of information or functionality, and without requiring scrolling in two dimensions for:
 - Vertical scrolling content at a width equivalent to 320 CSS pixels;
 - Horizontal scrolling content at a height equivalent to 256 CSS pixels;
- 



Veelkord
kontrastuse
olulisusest

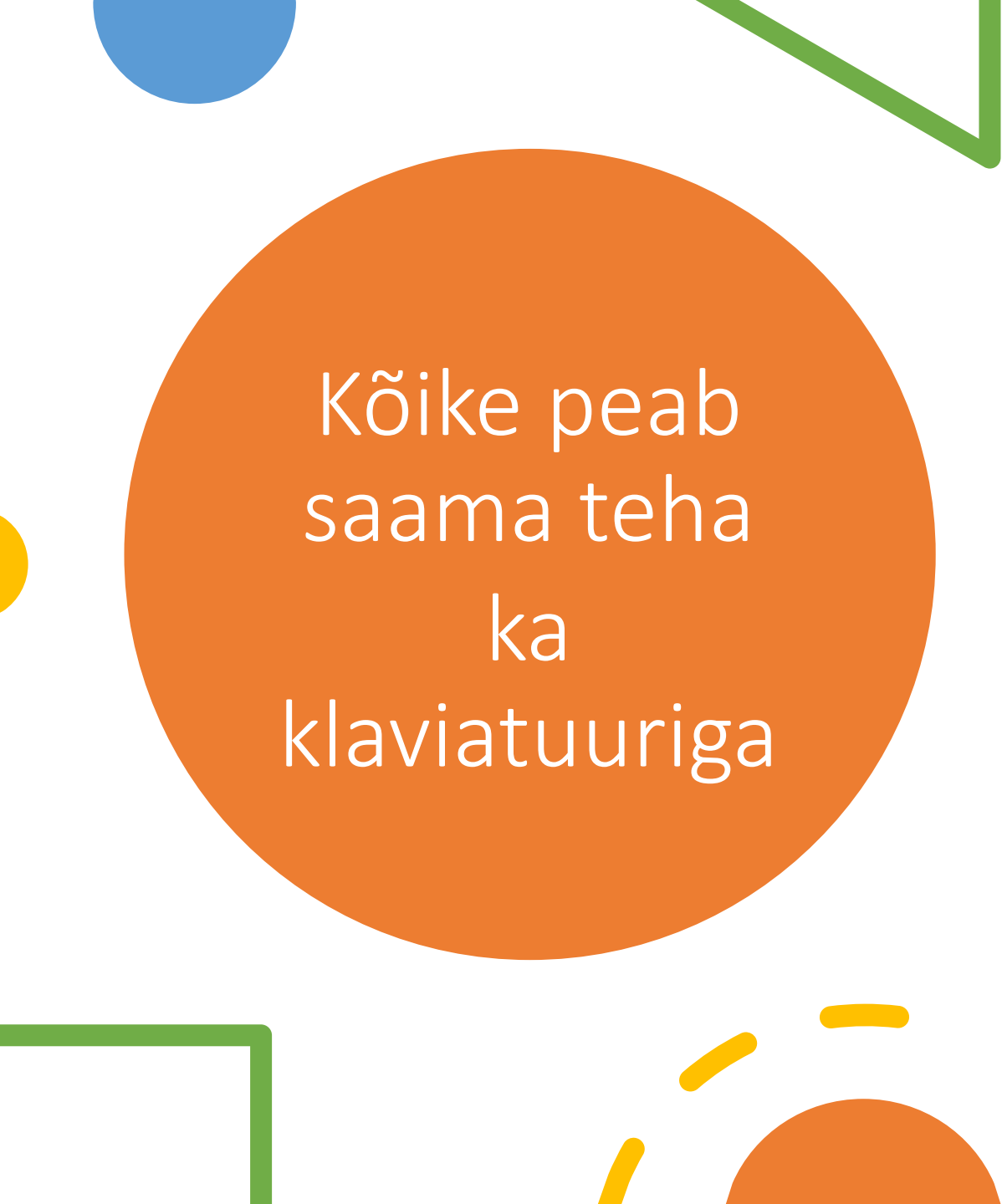
- **9.1.4.11 Non text contrast**
- The visual presentation of the following have a contrast ratio of at least 3:1 against adjacent color(s):
 - • User Interface Components: Visual information required to identify user interface components and states, except for inactive components or where the appearance of the component is determined by the user agent and not modified by the author;
 - • Graphical Objects: Parts of graphics required to understand the content, except when a particular presentation of graphics is essential to the information being conveyed.

- **9.1.4.12 Text spacing**

- In content implemented using markup languages that support the following text style properties, no loss of content or functionality occurs by setting all of the following and by changing no other style property:

- Line height (line spacing) to at least 1.5 times the font size
- Spacing following paragraphs to at least 2 times the font size;
- Letter spacing (tracking) to at least 0.12 times the font size;
- Word spacing to at least 0.16 times the font size.

Teksti seadete muutustega ei tohi see katki minna



Kõike peab
saama teha
ka
klaviatuuriga

- **9.2.1.1. Keyboard**

- All functionality of the content is operable through a keyboard interface without requiring specific timings for individual keystrokes, except where the underlying function requires input that depends on the path of the user's movement and not just the endpoints.

Klaviatuuriga
peab saama
korduvaid
leheosi
vahele jätta

- **9.2.4.1 Bypass blocks**
- A mechanism is available to bypass blocks of content that are repeated on multiple Web pages.



Fookuse järjekord olgu loogiline

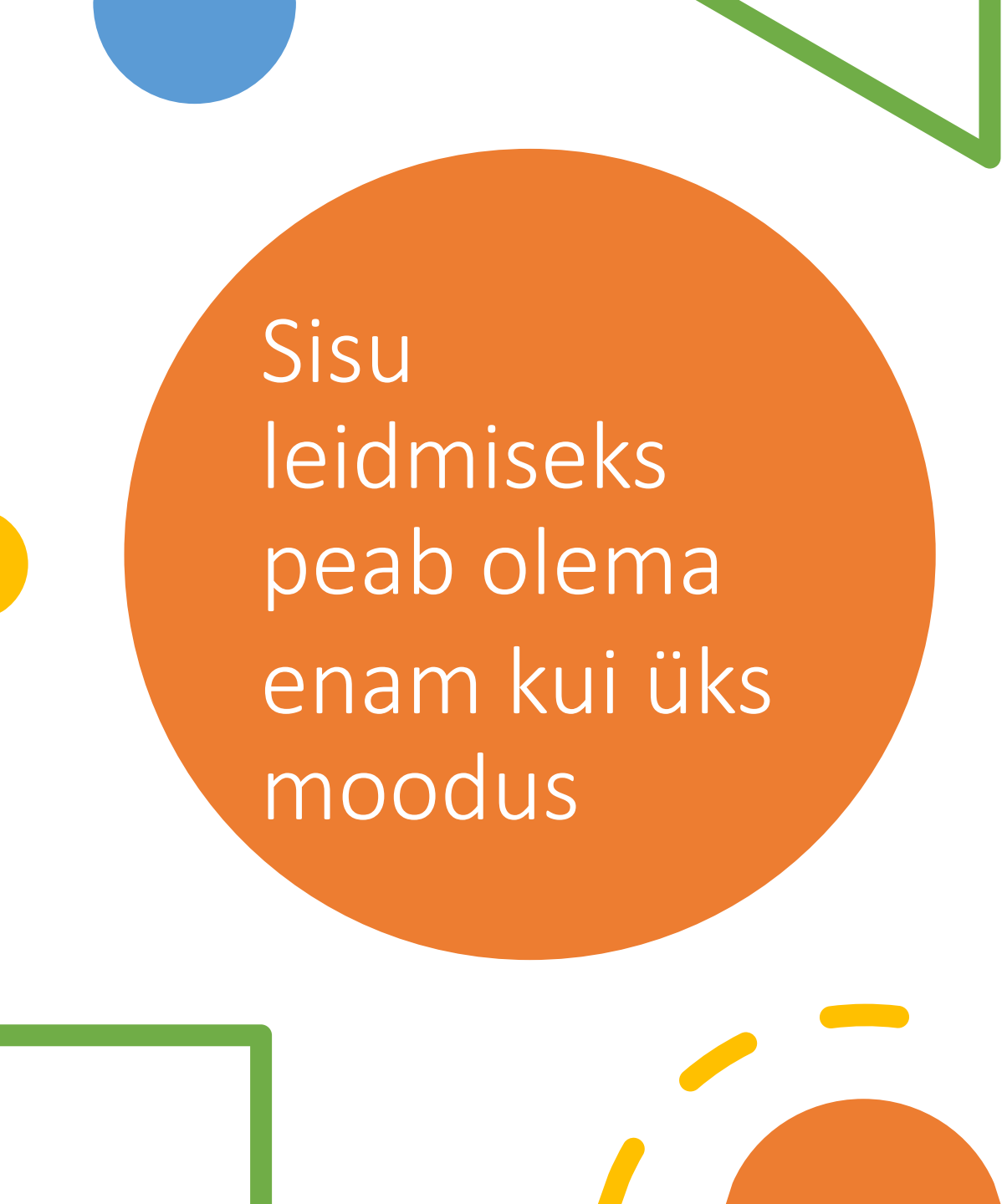
- **9.2.4.3 Focus Order**
- If a Web page can be navigated sequentially and the navigation sequences affect meaning or operation, focusable components receive focus in an order that preserves meaning and operability.



Lingi tekst peab olema arusaadav

- **9.2.4.4 Link purpose (in context)**
- The purpose of each link can be determined from the link text alone or from the link text together with its programmatically determined link context, except where the purpose of the link would be ambiguous to users in general.





Sisu
leidmiseks
peab olema
enam kui üks
moodus

- **9.2.4.5 Multiple ways**
- More than one way is available to locate a Web page within a set of Web pages except where the Web Page is the result of, or a step in, a process.

Klaviatuuriga navigeerimisel peab olema fookus nähtav

- **9.2.4.7 Focus visible**
- Any keyboard operable user interface has a mode of operation where the keyboard focus indicator is visible.




Teksti keel
peab olema
koodis
märgitud

- **9.3.1.2 Language of parts**

- The human language of each passage or phrase in the content can be programmatically determined except for proper names, technical terms, words of indeterminate language, and words or phrases that have become part of the vernacular of the immediately surrounding text.





Vigade korral
olgu vigane
väli
tähistatud ja
selgitatud


- **9.3.3.1 Error identification**

- If an input error is automatically detected, the item that is in error is identified and the error is described to the user in text.



Olgu arusaadav
mida sisestama
peab

- **9.3.3.2 Labels or instructions**
- Labels or instructions are provided when content requires user input.




Kui viga näed
laita,
siis tule ja aita

- **9.3.3.3 Error suggestion**
- If an input error is automatically detected and suggestions for correction are known, then the suggestions are provided to the user, unless it would jeopardize the security or purpose of the content.


Kood vajab
infot,
mis on
elemendi
nimi, roll ja
väärtus

- **9.4.1.2 Name, role, value**
- For all user interface components (including but not limited to: form elements, links and components generated by scripts), the name and role can be programmatically determined; states, properties, and values that can be set by the user can be programmatically set; and notification of changes to these items is available to user agents, including assistive technologies.





Olulised
muutused
peavad
olema teada ka
eraanilugejale

- **9.4.1.3 Status messages**
 - In content implemented using markup languages, status messages can be programmatically determined through role or properties such that they can be presented to the user by assistive technologies without receiving focus.
- 

Veebileht
peab olema
kohandatud
vastavalt
kasutaja-
seadetele

- **11.7 User preferences**

- Where software is not designed to be isolated from its platform, and provides a user interface, that user interface shall follow the values of the user
- preferences for platform settings for: units of measurement, colour, contrast, font type, font size, and focus cursor except where they are overridden by the user.





Info
ligipääsetävuse
kohta !!!

- **12.1.1 Accessibility and compatibility features**
- Product documentation provided with the ICT whether provided separately or integrated within the ICT shall list and explain how to use the accessibility
- and compatibility features of the ICT.



Teine pildi kirjeldamine



Ligipääsetavus paneb lendama!

- www.ligipaasuke.ee
- info@ligipaasuke.ee