



# Barrierefreie Informationssysteme - Barrierefreiheit in OPUS4

*Projektseminar am Institut für Bibliotheks- und Informationswissenschaft  
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*17. KOBV-Forum, 12. August 2019*

# Warum barrierefreie Informationssysteme?

The power of the Web is in its universality. Access by everyone regardless of disability is an essential aspect” (Tim Berners-Lee)

<https://www.funkify.org/?v=f003c44deab6>

The screenshot shows the website of the Institut für Bibliotheks- und Informationswissenschaft (IBI) at the University of Bamberg. The page features a navigation menu on the left with items like 'Über uns', 'Studium am IBI', 'Forschung am IBI', 'Service vor Ort', 'Von Uns', and 'Online-Archiv'. A search bar is also present. The main content area includes a news item titled 'Auch in diesem Jahr war Frau Prof. Elke Greifeneder eine der Sponsor\*innen Erwin-Schrödinger-Zentrum Berlin stattfand...' and a 'Terminarchiv' section. A 'Color Carl' simulator overlay is active, showing a 'Stop' button and a list of color vision deficiencies: Normal vision, Greyscale (1 in 30 000 have achromatopsia), Green weak (1 in 20 men, 1 in 1 000 women have deuteranomaly), Red/green (1 in 100 men, 1 in 300 women have deuteranopia), and Red/green (1 in 100 men have protanopia).

**Color Carl**  
Manipulate colors with different filters. **Stop**

About 8% men and about 0.5% women have a color vision deficiency.

**About this simulator**

- Normal vision
- Greyscale (1 in 30 000 have achromatopsia)
- Green weak (1 in 20 men, 1 in 1 000 women have deuteranomaly)
- Red/green (1 in 100 men, 1 in 300 women have deuteranopia)
- Red/green (1 in 100 men have protanopia)

**Elderly Ellen**  
Try both lowered vision and trembling hands. **Stop**

Everyone gets older

**About this simulator**

Intensity of contrast: 0 to 10 (set to 7)

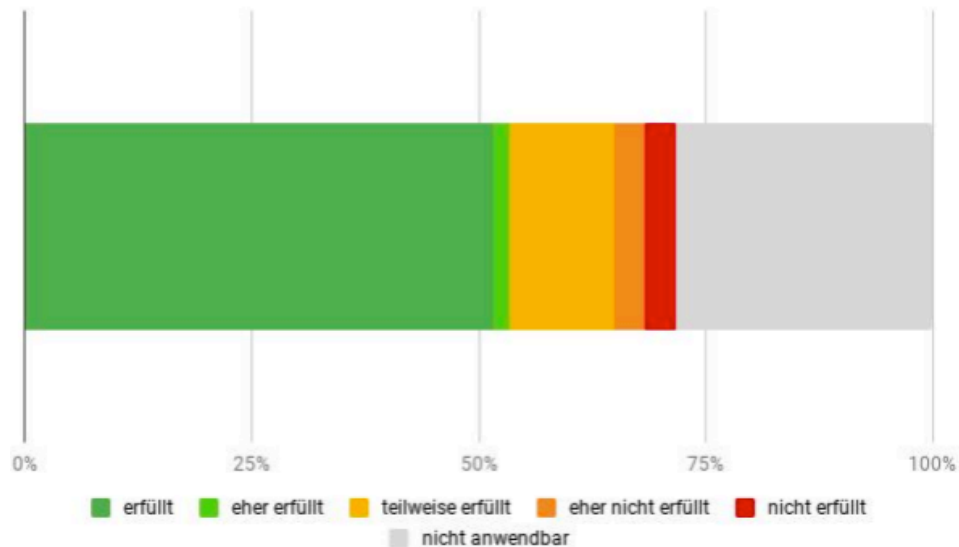
Intensity of blur: 0 to 10 (set to 1,6)

Amount of trembling: 0 to 10 (set to 8)

**Sunshine Sue**  
Simulate sunshine on your screen. **Start**

# Wie barrierefrei ist OPUS4?

## Qualitative & Quantitative Evaluation



**WAVE**  
web accessibility evaluation tool  
https://opus4web.zib.de/opus4-demo

Summary  
WAVE has detected the following:  
2 Errors  
4 Alerts  
2 Features  
5 Structural Elements  
0 HTML5 and ARIA  
4 Contrast Errors

Panel Options  
DETAILS: A listing of all the WAVE icons in your page.  
DOCUMENTATION: Explanation of the WAVE icons and how you can make your page more accessible.  
OUTLINE: The heading structure of the web page.

OPUS4  
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