

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(E3E8EB)	Hex(CBDFEB)	Hex(B4D7EB)	Hex(9DCEEB)	Hex(85C5EB)	Hex(6EBDEB)	Hex(56B4EB)	Hex(3FABEB)	Hex(27A2EB)	Hex(109AEB)
Hex(E3E8EB)		Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.49 Failed ⁵
Hex(CBDFEB)	Ratio: 1.11 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(B4D7EB)	Ratio: 1.23 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(9DCEEB)	Ratio: 1.36 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(85C5EB)	Ratio: 1.52 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(6EBDEB)	Ratio: 1.68 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(56B4EB)	Ratio: 1.86 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(3FABEB)	Ratio: 2.07 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(27A2EB)	Ratio: 2.28 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(109AEB)	Ratio: 2.49 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.09 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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