

Converting Colors - WCAG Matrix

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

	Hex(E8CAEB)	Hex(E6B3EB)	Hex(E49BEB)	Hex(E284EB)	Hex(DF6CEB)	Hex(DD55EB)	Hex(DB3DEB)	Hex(D925EB)	Hex(D70EEB)	Hex(D600EB)
Hex(E8CAEB)		Ratio: 1.17 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(E6B3EB)	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(E49BEB)	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.01 Failed ⁵
Hex(E284EB)	Ratio: 1.61 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(DF6CEB)	Ratio: 1.88 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(DD55EB)	Ratio: 2.14 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.12 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(DB3DEB)	Ratio: 2.39 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.12 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.16 Failed ⁵
Hex(D925EB)	Ratio: 2.60 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.07 Failed ⁵
Hex(D70EEB)	Ratio: 2.73 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(D600EB)	Ratio: 2.78 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.02 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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