

Converting Colors - WCAG Matrix

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

	Hex(E0D9EB)	Hex(D2C2EB)	Hex(C3AAEB)	Hex(B593EB)	Hex(A77BEB)	Hex(9864EB)	Hex(8A4CEB)	Hex(7B35EB)	Hex(6D1DEB)	Hex(5F06EB)
Hex(E0D9EB)		Ratio: 1.21 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 4.31 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 5.64 AA ¹ AAA 18pt ⁴
Hex(D2C2EB)	Ratio: 1.21 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 4.18 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴
Hex(C3AAEB)	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 3.79 AA 18pt ²
Hex(B593EB)	Ratio: 1.83 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.07 AA 18pt ²
Hex(A77BEB)	Ratio: 2.29 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.46 Failed ⁵
Hex(9864EB)	Ratio: 2.85 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.98 Failed ⁵
Hex(8A4CEB)	Ratio: 3.55 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(7B35EB)	Ratio: 4.31 AA 18pt ²	Ratio: 3.56 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(6D1DEB)	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 3.39 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(5F06EB)	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.12 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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