

Converting Colors - WCAG Matrix

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

	Hex(ECBED3)	Hex(D0A3B7)	Hex(B4889D)	Hex(996F82)	Hex(7E5669)	Hex(653F51)	Hex(4C283A)	Hex(351225)	Hex(220010)	Hex(000000)
Hex(ECBED3)		Ratio: 1.34 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 11.97 Passed ⁶	Ratio: 12.87 Passed ⁶
Hex(D0A3B7)	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 8.93 Passed ⁶	Ratio: 9.60 Passed ⁶
Hex(B4889D)	Ratio: 1.85 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 6.95 AA ¹ AAA 18pt ⁴
Hex(996F82)	Ratio: 2.60 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 4.95 AA ¹ AAA 18pt ⁴
Hex(7E5669)	Ratio: 3.76 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 3.42 AA 18pt ²
Hex(653F51)	Ratio: 5.40 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(4C283A)	Ratio: 7.70 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(351225)	Ratio: 10.18 Passed ⁶	Ratio: 7.59 Passed ⁶	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(220010)	Ratio: 11.97 Passed ⁶	Ratio: 8.93 Passed ⁶	Ratio: 6.46 AA ¹ AAA 18pt ⁴	Ratio: 4.60 AA ¹ AAA 18pt ⁴	Ratio: 3.18 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 12.87 Passed ⁶	Ratio: 9.60 Passed ⁶	Ratio: 6.95 AA ¹ AAA 18pt ⁴	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.08 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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