

Converting Colors - WCAG Matrix

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

	Hex(FFCCCC)	Hex(E2B0B1)	Hex(C69696)	Hex(AA7C7C)	Hex(8F6363)	Hex(754A4C)	Hex(5B3335)	Hex(421E20)	Hex(2C0808)	Hex(000000)
Hex(FFCCCC)		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 7.49 Passed ⁶	Ratio: 10.26 Passed ⁶	Ratio: 12.89 Passed ⁶	Ratio: 14.76 Passed ⁶
Hex(E2B0B1)	Ratio: 1.33 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.67 Passed ⁶	Ratio: 11.08 Passed ⁶
Hex(C69696)	Ratio: 1.80 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.16 Passed ⁶	Ratio: 8.20 Passed ⁶
Hex(AA7C7C)	Ratio: 2.51 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 5.88 AA ¹ AAA 18pt ⁴
Hex(8F6363)	Ratio: 3.57 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 4.13 AA 18pt ²
Hex(754A4C)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.84 Failed ⁵
Hex(5B3335)	Ratio: 7.49 Passed ⁶	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.97 Failed ⁵
Hex(421E20)	Ratio: 10.26 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(2C0808)	Ratio: 12.89 Passed ⁶	Ratio: 9.67 Passed ⁶	Ratio: 7.16 Passed ⁶	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(000000)	Ratio: 14.76 Passed ⁶	Ratio: 11.08 Passed ⁶	Ratio: 8.20 Passed ⁶	Ratio: 5.88 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.15 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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