

Converting Colors - WCAG Matrix

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

	Hex(FFA6A6)	Hex(E28C8C)	Hex(C47173)	Hex(A8585A)	Hex(8C3F43)	Hex(70272D)	Hex(550D18)	Hex(3C0000)	Hex(2D0001)
Hex(FFA6A6)		Ratio: 1.35 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 9.44 Passed ⁶	Ratio: 10.12 Passed ⁶
Hex(E28C8C)	Ratio: 1.35 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶	Ratio: 7.52 Passed ⁶
Hex(C47173)	Ratio: 1.89 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 5.36 AA ¹ AAA 18pt ⁴
Hex(A8585A)	Ratio: 2.67 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 3.78 AA 18pt ²
Hex(8C3F43)	Ratio: 3.87 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 2.61 Failed ⁵
Hex(70272D)	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(550D18)	Ratio: 7.73 Passed ⁶	Ratio: 5.74 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(3C0000)	Ratio: 9.44 Passed ⁶	Ratio: 7.02 Passed ⁶	Ratio: 5.00 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(2D0001)	Ratio: 10.12 Passed ⁶	Ratio: 7.52 Passed ⁶	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.07 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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