

Converting Colors - WCAG Matrix

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

	Hex(330000)	Hex(4B171B)	Hex(652D30)	Hex(7F4547)	Hex(9A5D5E)	Hex(B67677)	Hex(D29090)	Hex(F0ABAB)	Hex(FFC6C6)	Hex(FFE3E2)
Hex(330000)		Ratio: 1.26 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 7.13 Passed ⁶	Ratio: 9.75 Passed ⁶	Ratio: 12.40 Passed ⁶	Ratio: 15.20 Passed ⁶
Hex(4B171B)	Ratio: 1.26 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.73 Passed ⁶	Ratio: 9.84 Passed ⁶	Ratio: 12.06 Passed ⁶
Hex(652D30)	Ratio: 1.73 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶	Ratio: 8.79 Passed ⁶
Hex(7F4547)	Ratio: 2.49 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 6.09 AA ¹ AAA 18pt ⁴
Hex(9A5D5E)	Ratio: 3.60 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.23 AA 18pt ²
Hex(B67677)	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(D29090)	Ratio: 7.13 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(F0ABAB)	Ratio: 9.75 Passed ⁶	Ratio: 7.73 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(FFC6C6)	Ratio: 12.40 Passed ⁶	Ratio: 9.84 Passed ⁶	Ratio: 7.18 Passed ⁶	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(FFE3E2)	Ratio: 15.20 Passed ⁶	Ratio: 12.06 Passed ⁶	Ratio: 8.79 Passed ⁶	Ratio: 6.09 AA ¹ AAA 18pt ⁴	Ratio: 4.23 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.23 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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