

Converting Colors - WCAG Matrix

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

	Hex(300001)	Hex(48171C)	Hex(612D31)	Hex(7C4548)	Hex(965D5F)	Hex(B27678)	Hex(CE9092)	Hex(EBAAC)	Hex(FFC6C7)	Hex(FFE2E3)
Hex(300001)		Ratio: 1.26 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 7.13 Passed ⁶	Ratio: 9.66 Passed ⁶	Ratio: 12.57 Passed ⁶	Ratio: 15.31 Passed ⁶
Hex(48171C)	Ratio: 1.26 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 12.19 Passed ⁶
Hex(612D31)	Ratio: 1.71 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.34 Passed ⁶	Ratio: 8.94 Passed ⁶
Hex(7C4548)	Ratio: 2.49 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.88 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 6.15 AA ¹ AAA 18pt ⁴
Hex(965D5F)	Ratio: 3.58 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.28 AA 18pt ²
Hex(B27678)	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.00 AA 18pt ²
Hex(CE9092)	Ratio: 7.13 Passed ⁶	Ratio: 5.67 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(EBAAC)	Ratio: 9.66 Passed ⁶	Ratio: 7.69 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 3.88 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(FFC6C7)	Ratio: 12.57 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 7.34 Passed ⁶	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFE2E3)	Ratio: 15.31 Passed ⁶	Ratio: 12.19 Passed ⁶	Ratio: 8.94 Passed ⁶	Ratio: 6.15 AA ¹ AAA 18pt ⁴	Ratio: 4.28 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.22 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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