

Converting Colors - WCAG Matrix

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

	Hex(260001)	Hex(3A191C)	Hex(522E31)	Hex(6B4547)	Hex(855D5F)	Hex(A07678)	Hex(BB9091)	Hex(D8AAAC)	Hex(F4C6C7)	Hex(FFE2E3)
Hex(260001)		Ratio: 1.23 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 9.48 Passed ⁶	Ratio: 12.70 Passed ⁶	Ratio: 15.92 Passed ⁶
Hex(3A191C)	Ratio: 1.23 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 10.29 Passed ⁶	Ratio: 12.91 Passed ⁶
Hex(522E31)	Ratio: 1.66 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.19 AA 18pt ²	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 9.61 Passed ⁶
Hex(6B4547)	Ratio: 2.37 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 6.71 AA ¹ AAA 18pt ⁴
Hex(855D5F)	Ratio: 3.44 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 4.62 AA ¹ AAA 18pt ⁴
Hex(A07678)	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.22 AA 18pt ²
Hex(BB9091)	Ratio: 6.94 AA ¹ AAA 18pt ⁴	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(D8AAAC)	Ratio: 9.48 Passed ⁶	Ratio: 7.68 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(F4C6C7)	Ratio: 12.70 Passed ⁶	Ratio: 10.29 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.25 Failed ⁵
Hex(FFE2E3)	Ratio: 15.92 Passed ⁶	Ratio: 12.91 Passed ⁶	Ratio: 9.61 Passed ⁶	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.25 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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