

Converting Colors - WCAG Matrix

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

	Hex(2B0112)	Hex(FFE2F2)	Hex(5A2E3C)	Hex(744553)	Hex(8E5D6C)	Hex(A97685)	Hex(C5909F)	Hex(E1ABBA)	Hex(FEC6D6)
Hex(2B0112)		Ratio: 15.61 Passed ⁶	Ratio: 1.69 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 7.05 Passed ⁶	Ratio: 9.62 Passed ⁶	Ratio: 12.78 Passed ⁶
Hex(FFE2F2)	Ratio: 15.61 Passed ⁶		Ratio: 9.21 Passed ⁶	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.10 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(5A2E3C)	Ratio: 1.69 Failed ⁵	Ratio: 9.21 Passed ⁶		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶
Hex(744553)	Ratio: 2.44 Failed ⁵	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴
Hex(8E5D6C)	Ratio: 3.52 AA 18pt ²	Ratio: 4.43 AA 18pt ²	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.63 AA 18pt ²
Hex(A97685)	Ratio: 5.03 AA ¹ AAA 18pt ⁴	Ratio: 3.10 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(C5909F)	Ratio: 7.05 Passed ⁶	Ratio: 2.21 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(E1ABBA)	Ratio: 9.62 Passed ⁶	Ratio: 1.62 Failed ⁵	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵
Hex(FEC6D6)	Ratio: 12.78 Passed ⁶	Ratio: 1.22 Failed ⁵	Ratio: 7.54 Passed ⁶	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.33 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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