

Converting Colors - WCAG Matrix

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

	Hex(2B0001)	Hex(41181C)	Hex(5A2E31)	Hex(734547)	Hex(8E5C5F)	Hex(A97578)	Hex(C58F91)	Hex(E1AAAC)	Hex(FEC5C7)	Hex(FFE1E3)
Hex(2B0001)		Ratio: 1.24 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 9.56 Passed ⁶	Ratio: 12.71 Passed ⁶	Ratio: 15.53 Passed ⁶
Hex(41181C)	Ratio: 1.24 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 12.48 Passed ⁶
Hex(5A2E31)	Ratio: 1.69 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.50 Passed ⁶	Ratio: 9.16 Passed ⁶
Hex(734547)	Ratio: 2.42 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 6.41 AA ¹ AAA 18pt ⁴
Hex(8E5C5F)	Ratio: 3.49 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.45 AA 18pt ²
Hex(A97578)	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.11 AA 18pt ²
Hex(C58F91)	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(E1AAAC)	Ratio: 9.56 Passed ⁶	Ratio: 7.69 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.62 Failed ⁵
Hex(FEC5C7)	Ratio: 12.71 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 7.50 Passed ⁶	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.22 Failed ⁵
Hex(FFE1E3)	Ratio: 15.53 Passed ⁶	Ratio: 12.48 Passed ⁶	Ratio: 9.16 Passed ⁶	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 4.45 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.62 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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