

Converting Colors - WCAG Matrix

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

	Hex(2B0018)	Hex(FFE1FA)	Hex(5A2D42)	Hex(73445A)	Hex(8D5C72)	Hex(A8758C)	Hex(C48FA6)	Hex(E0A9C1)	Hex(FDC5DD)
Hex(2B0018)		Ratio: 15.59 Passed ⁶	Ratio: 1.69 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.50 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 7.01 Passed ⁶	Ratio: 9.51 Passed ⁶	Ratio: 12.73 Passed ⁶
Hex(FFE1FA)	Ratio: 15.59 Passed ⁶		Ratio: 9.21 Passed ⁶	Ratio: 6.44 AA ¹ AAA 18pt ⁴	Ratio: 4.45 AA 18pt ²	Ratio: 3.11 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(5A2D42)	Ratio: 1.69 Failed ⁵	Ratio: 9.21 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶
Hex(73445A)	Ratio: 2.42 Failed ⁵	Ratio: 6.44 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴
Hex(8D5C72)	Ratio: 3.50 AA 18pt ²	Ratio: 4.45 AA 18pt ²	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.64 AA 18pt ²
Hex(A8758C)	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.11 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.54 Failed ⁵
Hex(C48FA6)	Ratio: 7.01 Passed ⁶	Ratio: 2.22 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.82 Failed ⁵
Hex(E0A9C1)	Ratio: 9.51 Passed ⁶	Ratio: 1.64 Failed ⁵	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.34 Failed ⁵
Hex(FDC5DD)	Ratio: 12.73 Passed ⁶	Ratio: 1.22 Failed ⁵	Ratio: 7.52 Passed ⁶	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.34 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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