

Converting Colors - WCAG Matrix

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

	Hex(F99EC7)	Hex(E183AC)	Hex(C46991)	Hex(A84F78)	Hex(8C355F)	Hex(711B47)	Hex(560031)	Hex(3D001C)	Hex(FFFFFF)
Hex(F99EC7)		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 9.03 Passed ⁶	Ratio: 1.91 Failed ⁵
Hex(E183AC)	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 2.61 Failed ⁵
Hex(C46991)	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²
Hex(A84F78)	Ratio: 2.70 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴
Hex(8C355F)	Ratio: 3.93 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 7.53 Passed ⁶
Hex(711B47)	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 10.77 Passed ⁶
Hex(560031)	Ratio: 7.62 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 14.58 Passed ⁶
Hex(3D001C)	Ratio: 9.03 Passed ⁶	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 17.28 Passed ⁶
Hex(FFFFFF)	Ratio: 1.91 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 7.53 Passed ⁶	Ratio: 10.77 Passed ⁶	Ratio: 14.58 Passed ⁶	Ratio: 17.28 Passed ⁶	

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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