

Converting Colors - WCAG Matrix

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

	Hex(F89ED)	Hex(F6BD1)	Hex(FC4CB5)	Hex(DE279A)	Hex(BF0080)	Hex(A10067)	Hex(84004F)	Hex(670038)	Hex(4B0023)	Hex(490021)
Hex(F89ED)		Ratio: 1.21 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 6.15 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶	Ratio: 7.70 Passed ⁶
Hex(F6BD1)	Ratio: 1.21 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 6.34 AA ¹ AAA 18pt ⁴
Hex(FC4CB5)	Ratio: 1.47 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 4.19 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 5.24 AA ¹ AAA 18pt ⁴
Hex(DE279A)	Ratio: 2.07 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 3.73 AA 18pt ²
Hex(BF0080)	Ratio: 2.85 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 2.70 Failed ⁵
Hex(A10067)	Ratio: 3.71 AA 18pt ²	Ratio: 3.05 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(84004F)	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 3.27 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(670038)	Ratio: 6.15 AA ¹ AAA 18pt ⁴	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(4B0023)	Ratio: 7.60 Passed ⁶	Ratio: 6.25 AA ¹ AAA 18pt ⁴	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(490021)	Ratio: 7.70 Passed ⁶	Ratio: 6.34 AA ¹ AAA 18pt ⁴	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.01 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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