

Converting Colors - WCAG Matrix

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

	Hex(A20059)	Hex(FFFFFF)	Hex(DE4E8B)	Hex(FC6AA5)	Hex(FF87C0)	Hex(FFA3DC)	Hex(FFC0F9)	Hex(FFDDFF)	Hex(FFFAFF)
Hex(A20059)		Ratio: 7.83 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.30 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶
Hex(FFFFFF)	Ratio: 7.83 Passed ⁶		Ratio: 3.77 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(DE4E8B)	Ratio: 2.08 Failed ⁵	Ratio: 3.77 AA 18pt ²		Ratio: 1.39 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.66 AA 18pt ²
Hex(FC6AA5)	Ratio: 2.89 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.63 Failed ⁵
Hex(FF87C0)	Ratio: 3.54 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(FFA3DC)	Ratio: 4.30 AA 18pt ²	Ratio: 1.82 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(FFC0F9)	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 1.48 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(FFDDFF)	Ratio: 6.36 AA ¹ AAA 18pt ⁴	Ratio: 1.23 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(FFFAFF)	Ratio: 7.60 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 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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