

Converting Colors - WCAG Matrix

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

	Hex(6B0075)	Hex(86278F)	Hex(A243AA)	Hex(BE5DC5)	Hex(DB78E2)	Hex(F894FE)	Hex(FFAFFF)	Hex(FFCCFF)	Hex(FFE9FF)	Hex(FFFFFF)
Hex(6B0075)		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 8.15 Passed ⁶	Ratio: 9.75 Passed ⁶	Ratio: 11.16 Passed ⁶
Hex(86278F)	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 6.80 AA ¹ AAA 18pt ⁴	Ratio: 7.78 Passed ⁶
Hex(A243AA)	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.91 AA 18pt ²	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 5.36 AA ¹ AAA 18pt ⁴
Hex(BE5DC5)	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 3.78 AA 18pt ²
Hex(DB78E2)	Ratio: 4.14 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(F894FE)	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.97 Failed ⁵
Hex(FFAFFF)	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(FFCCFF)	Ratio: 8.15 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(FFE9FF)	Ratio: 9.75 Passed ⁶	Ratio: 6.80 AA ¹ AAA 18pt ⁴	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.14 Failed ⁵
Hex(FFFFFF)	Ratio: 11.16 Passed ⁶	Ratio: 7.78 Passed ⁶	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.14 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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