

Converting Colors - WCAG Matrix

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

	Hex(FFB9FF)	Hex(FF9CFF)	Hex(F580F3)	Hex(D865D6)	Hex(BB49BA)	Hex(9E2C9F)	Hex(820085)	Hex(67006B)	Hex(4C0052)	Hex(34003B)
Hex(FFB9FF)		Ratio: 1.19 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.96 AA ¹ AAA 18pt ⁴	Ratio: 7.62 Passed ⁶	Ratio: 9.54 Passed ⁶	Ratio: 11.28 Passed ⁶
Hex(FF9CFF)	Ratio: 1.19 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 8.01 Passed ⁶	Ratio: 9.47 Passed ⁶
Hex(F580F3)	Ratio: 1.47 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶
Hex(D865D6)	Ratio: 2.02 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 5.58 AA ¹ AAA 18pt ⁴
Hex(BB49BA)	Ratio: 2.86 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 3.95 AA 18pt ²
Hex(9E2C9F)	Ratio: 4.11 AA 18pt ²	Ratio: 3.45 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.74 Failed ⁵
Hex(820085)	Ratio: 5.96 AA ¹ AAA 18pt ⁴	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(67006B)	Ratio: 7.62 Passed ⁶	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(4C0052)	Ratio: 9.54 Passed ⁶	Ratio: 8.01 Passed ⁶	Ratio: 6.48 AA ¹ AAA 18pt ⁴	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(34003B)	Ratio: 11.28 Passed ⁶	Ratio: 9.47 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.18 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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