

Converting Colors - WCAG Matrix

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

	Hex(FF00A5)	Hex(DF008B)	Hex(C00071)	Hex(A10059)	Hex(830041)	Hex(65002B)	Hex(470016)	Hex(290001)	Hex(000000)
Hex(FF00A5)		Ratio: 1.28 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 5.80 AA ¹ AAA 18pt ⁴
Hex(DF008B)	Ratio: 1.28 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 4.12 AA 18pt ²	Ratio: 4.51 AA ¹ AAA 18pt ⁴
Hex(C00071)	Ratio: 1.67 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.18 AA 18pt ²	Ratio: 3.48 AA 18pt ²
Hex(A10059)	Ratio: 2.18 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.66 Failed ⁵
Hex(830041)	Ratio: 2.84 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.04 Failed ⁵
Hex(65002B)	Ratio: 3.65 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(470016)	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(290001)	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 3.18 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 5.80 AA ¹ AAA 18pt ⁴	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 3.48 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.09 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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