

Converting Colors - WCAG Matrix

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

	Hex(FF1585)	Hex(DF006C)	Hex(BF0054)	Hex(A0003D)	Hex(810028)	Hex(620013)	Hex(440003)	Hex(230001)	Hex(000000)
Hex(FF1585)		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 5.70 AA ¹ AAA 18pt ⁴
Hex(DF006C)	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 4.06 AA 18pt ²	Ratio: 4.35 AA 18pt ²
Hex(BF0054)	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.34 AA 18pt ²
Hex(A0003D)	Ratio: 2.22 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(810028)	Ratio: 2.90 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(620013)	Ratio: 3.73 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(440003)	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.49 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(230001)	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.35 AA 18pt ²	Ratio: 3.34 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.07 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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