

Converting Colors - WCAG Matrix

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

	Hex(FF338C)	Hex(DF0073)	Hex(C0005A)	Hex(A10043)	Hex(82002D)	Hex(640019)	Hex(470004)	Hex(270001)	Hex(000000)
Hex(FF338C)		Ratio: 1.39 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.92 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 6.10 AA ¹ AAA 18pt ⁴
Hex(DF0073)	Ratio: 1.39 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.03 AA 18pt ²	Ratio: 4.39 AA 18pt ²
Hex(C0005A)	Ratio: 1.80 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(A10043)	Ratio: 2.35 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(82002D)	Ratio: 3.07 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.99 Failed ⁵
Hex(640019)	Ratio: 3.92 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.56 Failed ⁵
Hex(470004)	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(270001)	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 4.03 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: 1.17 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 6.10 AA ¹ AAA 18pt ⁴	Ratio: 4.39 AA 18pt ²	Ratio: 3.39 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.27 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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