

Converting Colors - WCAG Matrix

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

	Hex(FF3573)	Hex(DF005B)	Hex(BF0044)	Hex(A0002E)	Hex(81001A)	Hex(620002)	Hex(440003)	Hex(230001)	Hex(000000)
Hex(FF3573)		Ratio: 1.40 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 6.01 AA ¹ AAA 18pt ⁴
Hex(DF005B)	Ratio: 1.40 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 4.00 AA 18pt ²	Ratio: 4.29 AA 18pt ²
Hex(BF0044)	Ratio: 1.82 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.08 AA 18pt ²	Ratio: 3.30 AA 18pt ²
Hex(A0002E)	Ratio: 2.37 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.53 Failed ⁵
Hex(81001A)	Ratio: 3.08 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.95 Failed ⁵
Hex(620002)	Ratio: 3.95 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.17 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(440003)	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(230001)	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 3.08 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 6.01 AA ¹ AAA 18pt ⁴	Ratio: 4.29 AA 18pt ²	Ratio: 3.30 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.52 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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