

Converting Colors - WCAG Matrix

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

	Hex(DD52C8)	Hex(C033AC)	Hex(A30492)	Hex(860078)	Hex(6A005E)	Hex(4F0046)	Hex(35002F)	Hex(130019)	Hex(000000)
Hex(DD52C8)		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.30 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 6.12 AA ¹ AAA 18pt ⁴
Hex(C033AC)	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.03 AA 18pt ²	Ratio: 3.62 AA 18pt ²	Ratio: 4.14 AA 18pt ²	Ratio: 4.31 AA 18pt ²
Hex(A30492)	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(860078)	Ratio: 2.68 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(6A005E)	Ratio: 3.45 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(4F0046)	Ratio: 4.30 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.10 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(35002F)	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(130019)	Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 6.12 AA ¹ AAA 18pt ⁴	Ratio: 4.31 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.04 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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