

Converting Colors - WCAG Matrix

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

	Hex(D40061)	Hex(B5004A)	Hex(960034)	Hex(77001F)	Hex(5A0005)	Hex(3C0003)	Hex(160000)	Hex(000000)
Hex(D40061)		Ratio: 1.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 3.84 AA 18pt ²	Ratio: 3.97 AA 18pt ²
Hex(B5004A)	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(960034)	Ratio: 1.69 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(77001F)	Ratio: 2.20 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.80 Failed ⁵
Hex(5A0005)	Ratio: 2.76 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.44 Failed ⁵
Hex(3C0003)	Ratio: 3.33 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(160000)	Ratio: 3.84 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 3.97 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.03 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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