

Converting Colors - WCAG Matrix

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

	Hex(D16161)	Hex(B3474A)	Hex(962B33)	Hex(780D1F)	Hex(5C0005)	Hex(400000)	Hex(260000)	Hex(000000)
Hex(D16161)		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 5.59 AA ¹ AAA 18pt ⁴
Hex(B3474A)	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 3.62 AA 18pt ²	Ratio: 3.92 AA 18pt ²
Hex(962B33)	Ratio: 2.08 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(780D1F)	Ratio: 2.98 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(5C0005)	Ratio: 3.84 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(400000)	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.22 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.22 Failed ⁵
Hex(260000)	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.08 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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