

Converting Colors - WCAG Matrix

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

	Hex(959595)	Hex(7B7B7B)	Hex(626262)	Hex(4B4B4B)	Hex(343434)	Hex(1F1F1F)	Hex(060606)	Hex(000000)
Hex(959595)		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 7.01 Passed ⁶
Hex(7B7B7B)	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 4.96 AA ¹ AAA 18pt ⁴
Hex(626262)	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 3.44 AA 18pt ²
Hex(4B4B4B)	Ratio: 2.91 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(343434)	Ratio: 4.16 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(1F1F1F)	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(060606)	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 7.01 Passed ⁶	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.27 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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