

Converting Colors - WCAG Matrix

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

Hex(7A7A7A) Hex(616161) Hex(4A4A4A) Hex(333333) Hex(1F1F1F) Hex(050505) Hex(000000)

	Hex(7A7A7A)	Hex(616161)	Hex(4A4A4A)	Hex(333333)	Hex(1F1F1F)	Hex(050505)	Hex(000000)
Hex(7A7A7A)		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 4.89 AA ¹ AAA 18pt ⁴
Hex(616161)	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(4A4A4A)	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(333333)	Ratio: 2.94 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(1F1F1F)	Ratio: 3.84 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.27 Failed ⁵
Hex(050505)	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.27 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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