

Converting Colors - WCAG Matrix

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

Hex(858585) Hex(6B6B6B) Hex(535353) Hex(3C3C3C) Hex(262626) Hex(121212) Hex(000000)

Hex(858585)		Ratio: 1.44 Failed⁵	Ratio: 2.08 Failed⁵	Ratio: 2.99 Failed⁵	Ratio: 4.10 AA 18pt²	Ratio: 5.08 AA¹ AAA 18pt⁴
Hex(6B6B6B)	Ratio: 1.44 Failed⁵		Ratio: 1.44 Failed⁵	Ratio: 2.07 Failed⁵	Ratio: 2.84 Failed⁵	Ratio: 3.52 AA 18pt²
Hex(535353)	Ratio: 2.08 Failed⁵	Ratio: 1.44 Failed⁵		Ratio: 1.43 Failed⁵	Ratio: 1.97 Failed⁵	Ratio: 2.44 Failed⁵
Hex(3C3C3C)	Ratio: 2.99 Failed⁵	Ratio: 2.07 Failed⁵	Ratio: 1.43 Failed⁵		Ratio: 1.37 Failed⁵	Ratio: 1.70 Failed⁵
Hex(262626)	Ratio: 4.10 AA 18pt²	Ratio: 2.84 Failed⁵	Ratio: 1.97 Failed⁵	Ratio: 1.37 Failed⁵		Ratio: 1.24 Failed⁵
Hex(121212)	Ratio: 5.08 AA¹ AAA 18pt⁴	Ratio: 3.52 AA 18pt²	Ratio: 2.44 Failed⁵	Ratio: 1.70 Failed⁵	Ratio: 1.24 Failed⁵	
Hex(000000)	Ratio: 5.69 AA¹ AAA 18pt⁴	Ratio: 3.94 AA 18pt²	Ratio: 2.73 Failed⁵	Ratio: 1.90 Failed⁵	Ratio: 1.39 Failed⁵	Ratio: 1.12 Failed⁵

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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