

Converting Colors - WCAG Matrix

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

Hex(8A8A8A) Hex(B3B3B3) Hex(454545) Hex(850000) Hex(050000)

	Hex(8A8A8A)	Hex(B3B3B3)	Hex(454545)	Hex(850000)	Hex(050000)
Hex(8A8A8A)		Ratio: 1.65 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.05 AA 18pt ²	Ratio: 6.04 AA ¹ AAA 18pt ⁴
Hex(B3B3B3)	Ratio: 1.65 Failed ⁵		Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 9.95 Passed ⁶
Hex(454545)	Ratio: 2.78 Failed ⁵	Ratio: 4.57 AA ¹ AAA 18pt ⁴		Ratio: 1.10 Failed ⁵	Ratio: 2.18 Failed ⁵
Hex(850000)	Ratio: 3.05 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵		Ratio: 1.98 Failed ⁵
Hex(050000)	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 9.95 Passed ⁶	Ratio: 2.18 Failed ⁵	Ratio: 1.98 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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