

Converting Colors - WCAG Matrix

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

Hex(8E8E8E) Hex(747474) Hex(5C5C5C) Hex(444444) Hex(2E2E2E) Hex(191919) Hex(000000)

	Hex(8E8E8E)	Hex(747474)	Hex(5C5C5C)	Hex(444444)	Hex(2E2E2E)	Hex(191919)	Hex(000000)
Hex(8E8E8E)		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.15 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 6.41 AA ¹ AAA 18pt ⁴
Hex(747474)	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.49 AA 18pt ²
Hex(5C5C5C)	Ratio: 2.04 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.14 AA 18pt ²
Hex(444444)	Ratio: 2.97 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(2E2E2E)	Ratio: 4.15 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.55 Failed ⁵
Hex(191919)	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(000000)	Ratio: 6.41 AA ¹ AAA 18pt ⁴	Ratio: 4.49 AA 18pt ²	Ratio: 3.14 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.19 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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