

Converting Colors - WCAG Matrix

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

Hex(145515) Hex(546E55) Hex(555514) Hex(283829) Hex(B8B8B8) Hex(383838)

	Hex(145515)	Hex(546E55)	Hex(555514)	Hex(283829)	Hex(B8B8B8)	Hex(383838)
Hex(145515)		Ratio: 1.60 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 1.31 Failed ⁵
Hex(546E55)	Ratio: 1.60 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(555514)	Ratio: 1.15 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.60 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 1.51 Failed ⁵
Hex(283829)	Ratio: 1.39 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.60 Failed ⁵		Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 1.06 Failed ⁵
Hex(B8B8B8)	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 2.83 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 6.27 AA ¹ AAA 18pt ⁴		Ratio: 5.91 AA ¹ AAA 18pt ⁴
Hex(383838)	Ratio: 1.31 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 5.91 AA ¹ AAA 18pt ⁴	

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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