

Converting Colors - WCAG Matrix

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

Hex(AA4505) Hex(DE5600) Hex(AA9705) Hex(544F4C) Hex(943900) Hex(140800)

	Hex(AA4505)	Hex(DE5600)	Hex(AA9705)	Hex(544F4C)	Hex(943900)	Hex(140800)
Hex(AA4505)		Ratio: 1.53 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 3.35 AA 18pt ²
Hex(DE5600)	Ratio: 1.53 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 5.11 AA ¹ AAA 18pt ⁴
Hex(AA9705)	Ratio: 2.00 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 2.75 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 6.71 AA ¹ AAA 18pt ⁴
Hex(544F4C)	Ratio: 1.37 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.75 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(943900)	Ratio: 1.25 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 2.67 Failed ⁵
Hex(140800)	Ratio: 3.35 AA 18pt ²	Ratio: 5.11 AA ¹ AAA 18pt ⁴	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 2.44 Failed ⁵	Ratio: 2.67 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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