

Converting Colors - WCAG Matrix

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

Hex(E10001) Hex(FF0001) Hex(00E16D) Hex(706565) Hex(B00001) Hex(300000)

	Hex(E10001)	Hex(FF0001)	Hex(00E16D)	Hex(706565)	Hex(B00001)	Hex(300000)
Hex(E10001)		Ratio: 1.25 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 3.73 AA 18pt ²
Hex(FF0001)	Ratio: 1.25 Failed ⁵		Ratio: 2.28 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 4.67 AA ¹ AAA 18pt ⁴
Hex(00E16D)	Ratio: 2.85 Failed ⁵	Ratio: 2.28 Failed ⁵		Ratio: 3.21 AA 18pt ²	Ratio: 4.21 AA 18pt ²	Ratio: 10.65 Passed ⁶
Hex(706565)	Ratio: 1.12 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 3.21 AA 18pt ²		Ratio: 1.31 Failed ⁵	Ratio: 3.32 AA 18pt ²
Hex(B00001)	Ratio: 1.48 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 4.21 AA 18pt ²	Ratio: 1.31 Failed ⁵		Ratio: 2.53 Failed ⁵
Hex(300000)	Ratio: 3.73 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 10.65 Passed ⁶	Ratio: 3.32 AA 18pt ²	Ratio: 2.53 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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