

Converting Colors - WCAG Matrix

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

Hex(7F7577) Hex(665C5E) Hex(4E4547) Hex(372E30) Hex(221A1C) Hex(0C0000) Hex(000000)

	Hex(7F7577)	Hex(665C5E)	Hex(4E4547)	Hex(372E30)	Hex(221A1C)	Hex(0C0000)	Hex(000000)
Hex(7F7577)		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 4.71 AA ¹ AAA 18pt ⁴
Hex(665C5E)	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.21 AA 18pt ²	Ratio: 3.26 AA 18pt ²
Hex(4E4547)	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.27 Failed ⁵
Hex(372E30)	Ratio: 2.95 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(221A1C)	Ratio: 3.82 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(0C0000)	Ratio: 4.64 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.23 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 3.26 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.02 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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