

Converting Colors - WCAG Matrix

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

	Hex(619E8C)	Hex(478573)	Hex(2E6B59)	Hex(0F5242)	Hex(003B2E)	Hex(002617)	Hex(000500)	Hex(000000)
Hex(619E8C)		Ratio: 1.39 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 6.78 AA ¹ AAA 18pt ⁴
Hex(478573)	Ratio: 1.39 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴
Hex(2E6B59)	Ratio: 2.02 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.46 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 3.36 AA 18pt ²
Hex(0F5242)	Ratio: 2.94 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.46 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.31 Failed ⁵
Hex(003B2E)	Ratio: 4.07 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(002617)	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(000500)	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 6.78 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.29 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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