

Converting Colors - WCAG Matrix

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

	Hex(52A194)	Hex(36867A)	Hex(166D61)	Hex(00544A)	Hex(003C33)	Hex(00261E)	Hex(000705)	Hex(000000)
Hex(52A194)		Ratio: 1.42 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 6.88 AA ¹ AAA 18pt ⁴
Hex(36867A)	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴
Hex(166D61)	Ratio: 2.03 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 3.39 AA 18pt ²
Hex(00544A)	Ratio: 2.91 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(003C33)	Ratio: 4.06 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(00261E)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(000705)	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 3.29 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000000)	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.03 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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