

Converting Colors - WCAG Matrix

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

	Hex(48B197)	Hex(27967D)	Hex(007C64)	Hex(00624C)	Hex(004A36)	Hex(003220)	Hex(001D0A)	Hex(000000)
Hex(48B197)		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 6.79 AA ¹ AAA 18pt ⁴	Ratio: 8.01 Passed ⁶
Hex(27967D)	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 5.75 AA ¹ AAA 18pt ⁴
Hex(007C64)	Ratio: 1.97 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.45 AA 18pt ²	Ratio: 4.07 AA 18pt ²
Hex(00624C)	Ratio: 2.81 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.85 Failed ⁵
Hex(004A36)	Ratio: 3.94 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(003220)	Ratio: 5.42 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(001D0A)	Ratio: 6.79 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.45 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(000000)	Ratio: 8.01 Passed ⁶	Ratio: 5.75 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.18 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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