

Converting Colors - WCAG Matrix

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

	Hex(2D9A98)	Hex(00807E)	Hex(006665)	Hex(004E4D)	Hex(003637)	Hex(002221)	Hex(00000B)	Hex(000000)
Hex(2D9A98)		Ratio: 1.41 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 6.19 AA ¹ AAA 18pt ⁴
Hex(00807E)	Ratio: 1.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 4.37 AA 18pt ²	Ratio: 4.39 AA 18pt ²
Hex(006665)	Ratio: 2.00 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.09 AA 18pt ²
Hex(004E4D)	Ratio: 2.82 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.20 Failed ⁵
Hex(003637)	Ratio: 3.91 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(002221)	Ratio: 4.95 AA ¹ AAA 18pt ⁴	Ratio: 3.51 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(00000B)	Ratio: 6.16 AA ¹ AAA 18pt ⁴	Ratio: 4.37 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(000000)	Ratio: 6.19 AA ¹ AAA 18pt ⁴	Ratio: 4.39 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.20 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.00 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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