

Converting Colors - WCAG Matrix

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

	Hex(0EC9B9)	Hex(00AE9E)	Hex(009284)	Hex(00786B)	Hex(005E53)	Hex(00463C)	Hex(002F26)	Hex(001412)	Hex(000000)
Hex(0EC9B9)		Ratio: 1.33 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.70 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶	Ratio: 9.09 Passed ⁶	Ratio: 10.07 Passed ⁶
Hex(00AE9E)	Ratio: 1.33 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 7.55 Passed ⁶
Hex(009284)	Ratio: 1.85 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 5.44 AA ¹ AAA 18pt ⁴
Hex(00786B)	Ratio: 2.58 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 3.90 AA 18pt ²
Hex(005E53)	Ratio: 3.70 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.73 Failed ⁵
Hex(00463C)	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.89 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.94 Failed ⁵
Hex(002F26)	Ratio: 7.02 Passed ⁶	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.43 Failed ⁵
Hex(001412)	Ratio: 9.09 Passed ⁶	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.11 Failed ⁵
Hex(000000)	Ratio: 10.07 Passed ⁶	Ratio: 7.55 Passed ⁶	Ratio: 5.44 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.11 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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