

Converting Colors - WCAG Matrix

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

	Hex(49FFEC)	Hex(02E2D0)	Hex(00C5B4)	Hex(00AA9A)	Hex(008E80)	Hex(007467)	Hex(005A4F)	Hex(004138)	Hex(002C23)	Hex(00090E)
Hex(49FFEC)		Ratio: 1.31 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 6.52 AA ¹ AAA 18pt ⁴	Ratio: 9.26 Passed ⁶	Ratio: 12.13 Passed ⁶	Ratio: 16.07 Passed ⁶
Hex(02E2D0)	Ratio: 1.31 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 7.05 Passed ⁶	Ratio: 9.24 Passed ⁶	Ratio: 12.24 Passed ⁶
Hex(00C5B4)	Ratio: 1.74 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 9.23 Passed ⁶
Hex(00AA9A)	Ratio: 2.33 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 6.90 AA ¹ AAA 18pt ⁴
Hex(008E80)	Ratio: 3.24 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.96 AA ¹ AAA 18pt ⁴
Hex(007467)	Ratio: 4.55 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.53 AA 18pt ²
Hex(005A4F)	Ratio: 6.52 AA ¹ AAA 18pt ⁴	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.46 Failed ⁵
Hex(004138)	Ratio: 9.26 Passed ⁶	Ratio: 7.05 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(002C23)	Ratio: 12.13 Passed ⁶	Ratio: 9.24 Passed ⁶	Ratio: 6.97 AA ¹ AAA 18pt ⁴	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(00090E)	Ratio: 16.07 Passed ⁶	Ratio: 12.24 Passed ⁶	Ratio: 9.23 Passed ⁶	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 4.96 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.32 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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