

Converting Colors - WCAG Matrix

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

	Hex(04F1FE)	Hex(00D4E2)	Hex(00B8C6)	Hex(009DAA)	Hex(008290)	Hex(006876)	Hex(004F5E)	Hex(003746)	Hex(002230)	Hex(000221)
Hex(04F1FE)		Ratio: 1.30 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 9.19 Passed ⁶	Ratio: 11.81 Passed ⁶	Ratio: 14.57 Passed ⁶
Hex(00D4E2)	Ratio: 1.30 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶	Ratio: 9.06 Passed ⁶	Ratio: 11.17 Passed ⁶
Hex(00B8C6)	Ratio: 1.73 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 8.41 Passed ⁶
Hex(009DAA)	Ratio: 2.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 6.21 AA ¹ AAA 18pt ⁴
Hex(008290)	Ratio: 3.27 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 3.61 AA 18pt ²	Ratio: 4.46 AA 18pt ²
Hex(006876)	Ratio: 4.63 AA ¹ AAA 18pt ⁴	Ratio: 3.55 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.15 AA 18pt ²
Hex(004F5E)	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 5.05 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.21 Failed ⁵
Hex(003746)	Ratio: 9.19 Passed ⁶	Ratio: 7.04 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.59 Failed ⁵
Hex(002230)	Ratio: 11.81 Passed ⁶	Ratio: 9.06 Passed ⁶	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(000221)	Ratio: 14.57 Passed ⁶	Ratio: 11.17 Passed ⁶	Ratio: 8.41 Passed ⁶	Ratio: 6.21 AA ¹ AAA 18pt ⁴	Ratio: 4.46 AA 18pt ²	Ratio: 3.15 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.23 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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