

Converting Colors - WCAG Matrix

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

	Hex(52FAD6)	Hex(24DDBA)	Hex(00C19F)	Hex(00A585)	Hex(008A6C)	Hex(006F54)	Hex(00563D)	Hex(003D27)	Hex(002713)	Hex(000000)
Hex(52FAD6)		Ratio: 1.32 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 9.43 Passed ⁶	Ratio: 12.31 Passed ⁶	Ratio: 16.00 Passed ⁶
Hex(24DDBA)	Ratio: 1.32 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.50 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 7.15 Passed ⁶	Ratio: 9.33 Passed ⁶	Ratio: 12.13 Passed ⁶
Hex(00C19F)	Ratio: 1.75 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶	Ratio: 9.13 Passed ⁶
Hex(00A585)	Ratio: 2.38 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴
Hex(008A6C)	Ratio: 3.30 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴
Hex(006F54)	Ratio: 4.70 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.40 AA 18pt ²
Hex(00563D)	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(003D27)	Ratio: 9.43 Passed ⁶	Ratio: 7.15 Passed ⁶	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵
Hex(002713)	Ratio: 12.31 Passed ⁶	Ratio: 9.33 Passed ⁶	Ratio: 7.02 Passed ⁶	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(000000)	Ratio: 16.00 Passed ⁶	Ratio: 12.13 Passed ⁶	Ratio: 9.13 Passed ⁶	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 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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