

Converting Colors - WCAG Matrix

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

	Hex(88DBC9)	Hex(6CBFAE)	Hex(51A493)	Hex(358979)	Hex(136F61)	Hex(005749)	Hex(003F32)	Hex(00281D)	Hex(000D04)	Hex(000000)
Hex(88DBC9)		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 7.41 Passed ⁶	Ratio: 9.86 Passed ⁶	Ratio: 12.29 Passed ⁶	Ratio: 13.02 Passed ⁶
Hex(6CBFAE)	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 7.34 Passed ⁶	Ratio: 9.16 Passed ⁶	Ratio: 9.70 Passed ⁶
Hex(51A493)	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.03 AA 18pt ²	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶
Hex(358979)	Ratio: 2.60 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 5.01 AA ¹ AAA 18pt ⁴
Hex(136F61)	Ratio: 3.75 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.63 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 3.47 AA 18pt ²
Hex(005749)	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.32 Failed ⁵	Ratio: 2.46 Failed ⁵
Hex(003F32)	Ratio: 7.41 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 4.03 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(00281D)	Ratio: 9.86 Passed ⁶	Ratio: 7.34 Passed ⁶	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.63 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(000D04)	Ratio: 12.29 Passed ⁶	Ratio: 9.16 Passed ⁶	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.28 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 13.02 Passed ⁶	Ratio: 9.70 Passed ⁶	Ratio: 7.08 Passed ⁶	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.47 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.06 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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