

Converting Colors - WCAG Matrix

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

	Hex(0DDDB2)	Hex(00C197)	Hex(00A57D)	Hex(008A64)	Hex(006F4D)	Hex(005536)	Hex(003D20)	Hex(00260A)	Hex(000000)
Hex(0DDDB2)		Ratio: 1.32 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 9.37 Passed ⁶	Ratio: 12.00 Passed ⁶
Hex(00C197)	Ratio: 1.32 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 7.08 Passed ⁶	Ratio: 9.07 Passed ⁶
Hex(00A57D)	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 6.68 AA ¹ AAA 18pt ⁴
Hex(008A64)	Ratio: 2.49 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴
Hex(006F4D)	Ratio: 3.55 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.38 AA 18pt ²
Hex(005536)	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(003D20)	Ratio: 7.11 Passed ⁶	Ratio: 5.37 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(00260A)	Ratio: 9.37 Passed ⁶	Ratio: 7.08 Passed ⁶	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(000000)	Ratio: 12.00 Passed ⁶	Ratio: 9.07 Passed ⁶	Ratio: 6.68 AA ¹ AAA 18pt ⁴	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 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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