

Converting Colors - WCAG Matrix

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

	Hex(6ADFD8)	Hex(4BC3BC)	Hex(25A7A1)	Hex(008D87)	Hex(00736E)	Hex(005956)	Hex(00413E)	Hex(002B29)	Hex(001015)	Hex(000000)
Hex(6ADFD8)		Ratio: 1.34 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶	Ratio: 9.55 Passed ⁶	Ratio: 12.13 Passed ⁶	Ratio: 13.16 Passed ⁶
Hex(4BC3BC)	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 7.14 Passed ⁶	Ratio: 9.06 Passed ⁶	Ratio: 9.83 Passed ⁶
Hex(25A7A1)	Ratio: 1.85 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 7.12 Passed ⁶
Hex(008D87)	Ratio: 2.55 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.75 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 5.16 AA ¹ AAA 18pt ⁴
Hex(00736E)	Ratio: 3.58 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 3.68 AA 18pt ²
Hex(005956)	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.36 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(00413E)	Ratio: 7.21 Passed ⁶	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(002B29)	Ratio: 9.55 Passed ⁶	Ratio: 7.14 Passed ⁶	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.75 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.38 Failed ⁵
Hex(001015)	Ratio: 12.13 Passed ⁶	Ratio: 9.06 Passed ⁶	Ratio: 6.56 AA ¹ AAA 18pt ⁴	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.36 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(000000)	Ratio: 13.16 Passed ⁶	Ratio: 9.83 Passed ⁶	Ratio: 7.12 Passed ⁶	Ratio: 5.16 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.08 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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