

Converting Colors - WCAG Matrix

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

	Hex(BFFBFF)	Hex(A3DEE2)	Hex(88C2C6)	Hex(6DA7AB)	Hex(538D91)	Hex(397377)	Hex(1D5A5E)	Hex(004347)	Hex(002C30)	Hex(00191B)
Hex(BFFBFF)		Ratio: 1.31 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 3.30 AA 18pt ²	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 9.75 Passed ⁶	Ratio: 13.16 Passed ⁶	Ratio: 15.98 Passed ⁶
Hex(A3DEE2)	Ratio: 1.31 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 7.45 Passed ⁶	Ratio: 10.05 Passed ⁶	Ratio: 12.21 Passed ⁶
Hex(88C2C6)	Ratio: 1.74 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.54 Passed ⁶	Ratio: 9.16 Passed ⁶
Hex(6DA7AB)	Ratio: 2.38 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.10 AA 18pt ²	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴
Hex(538D91)	Ratio: 3.30 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 4.84 AA ¹ AAA 18pt ⁴
Hex(397377)	Ratio: 4.74 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.37 AA 18pt ²
Hex(1D5A5E)	Ratio: 6.90 AA ¹ AAA 18pt ⁴	Ratio: 5.27 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.32 Failed ⁵
Hex(004347)	Ratio: 9.75 Passed ⁶	Ratio: 7.45 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.10 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(002C30)	Ratio: 13.16 Passed ⁶	Ratio: 10.05 Passed ⁶	Ratio: 7.54 Passed ⁶	Ratio: 5.54 AA ¹ AAA 18pt ⁴	Ratio: 3.98 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.21 Failed ⁵
Hex(00191B)	Ratio: 15.98 Passed ⁶	Ratio: 12.21 Passed ⁶	Ratio: 9.16 Passed ⁶	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.84 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.32 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.21 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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