

Converting Colors - WCAG Matrix

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

	Hex(00323D)	Hex(F2FFFF)	Hex(36606D)	Hex(4F7986)	Hex(6893A0)	Hex(83AEBC)	Hex(9DC9D7)	Hex(B9E5F3)	Hex(D5FFFF)
Hex(00323D)		Ratio: 13.47 Passed ⁶	Ratio: 2.00 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 10.22 Passed ⁶	Ratio: 12.85 Passed ⁶
Hex(F2FFFF)	Ratio: 13.47 Passed ⁶		Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(36606D)	Ratio: 2.00 Failed ⁵	Ratio: 6.73 AA ¹ AAA 18pt ⁴		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 6.42 AA ¹ AAA 18pt ⁴
Hex(4F7986)	Ratio: 2.90 Failed ⁵	Ratio: 4.65 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.44 AA 18pt ²
Hex(6893A0)	Ratio: 4.12 AA 18pt ²	Ratio: 3.27 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.12 AA 18pt ²
Hex(83AEBC)	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 2.35 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.24 Failed ⁵
Hex(9DC9D7)	Ratio: 7.72 Passed ⁶	Ratio: 1.74 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.66 Failed ⁵
Hex(B9E5F3)	Ratio: 10.22 Passed ⁶	Ratio: 1.32 Failed ⁵	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.26 Failed ⁵
Hex(D5FFFF)	Ratio: 12.85 Passed ⁶	Ratio: 1.05 Failed ⁵	Ratio: 6.42 AA ¹ AAA 18pt ⁴	Ratio: 4.44 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.26 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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