

Converting Colors - WCAG Matrix

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

	Hex(1F5359)	Hex(FFFFFF)	Hex(53858B)	Hex(6D9FA5)	Hex(87BAC0)	Hex(A2D6DC)	Hex(BEF2F9)	Hex(DAFFFF)	Hex(F7FFFF)
Hex(1F5359)		Ratio: 8.61 Passed ⁶	Ratio: 2.09 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 7.07 Passed ⁶	Ratio: 8.09 Passed ⁶	Ratio: 8.49 Passed ⁶
Hex(FFFFFF)	Ratio: 8.61 Passed ⁶		Ratio: 4.12 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.01 Failed ⁵
Hex(53858B)	Ratio: 2.09 Failed ⁵	Ratio: 4.12 AA 18pt ²		Ratio: 1.40 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 3.87 AA 18pt ²	Ratio: 4.06 AA 18pt ²
Hex(6D9FA5)	Ratio: 2.93 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 2.89 Failed ⁵
Hex(87BAC0)	Ratio: 4.02 AA 18pt ²	Ratio: 2.14 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.11 Failed ⁵
Hex(A2D6DC)	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 1.59 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(BEF2F9)	Ratio: 7.07 Passed ⁶	Ratio: 1.22 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(DAFFFF)	Ratio: 8.09 Passed ⁶	Ratio: 1.06 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(F7FFFF)	Ratio: 8.49 Passed ⁶	Ratio: 1.01 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.05 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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