

Converting Colors - WCAG Matrix

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

	Hex(055066)	Hex(FFFFFF)	Hex(478199)	Hex(629BB4)	Hex(7DB6D0)	Hex(99D1EC)	Hex(B5EEFF)	Hex(D1FFFF)	Hex(EFFFFFF)
Hex(055066)		Ratio: 8.95 Passed ⁶	Ratio: 2.08 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 7.09 Passed ⁶	Ratio: 8.30 Passed ⁶	Ratio: 8.69 Passed ⁶
Hex(FFFFFF)	Ratio: 8.95 Passed ⁶		Ratio: 4.31 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.03 Failed ⁵
Hex(478199)	Ratio: 2.08 Failed ⁵	Ratio: 4.31 AA 18pt ²		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 4.00 AA 18pt ²	Ratio: 4.19 AA 18pt ²
Hex(629BB4)	Ratio: 2.93 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 2.97 Failed ⁵
Hex(7DB6D0)	Ratio: 4.04 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(99D1EC)	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 1.66 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(B5EEFF)	Ratio: 7.09 Passed ⁶	Ratio: 1.26 Failed ⁵	Ratio: 3.42 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(D1FFFF)	Ratio: 8.30 Passed ⁶	Ratio: 1.08 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(EFFFFFF)	Ratio: 8.69 Passed ⁶	Ratio: 1.03 Failed ⁵	Ratio: 4.19 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.23 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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