

Converting Colors - WCAG Matrix

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

Hex(63ABBD) Hex(69D9F5) Hex(6380BD) Hex(545C5E) Hex(007D9E) Hex(00171F)

	Hex(63ABBD)	Hex(69D9F5)	Hex(6380BD)	Hex(545C5E)	Hex(007D9E)	Hex(00171F)
Hex(63ABBD)		Ratio: 1.59 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 7.08 Passed ⁶
Hex(69D9F5)	Ratio: 1.59 Failed ⁵		Ratio: 2.40 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 11.24 Passed ⁶
Hex(6380BD)	Ratio: 1.51 Failed ⁵	Ratio: 2.40 Failed ⁵		Ratio: 1.74 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 4.69 AA ¹ AAA 18pt ⁴
Hex(545C5E)	Ratio: 2.64 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 1.74 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(007D9E)	Ratio: 1.83 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 3.88 AA 18pt ²
Hex(00171F)	Ratio: 7.08 Passed ⁶	Ratio: 11.24 Passed ⁶	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 2.69 Failed ⁵	Ratio: 3.88 AA 18pt ²	

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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