

Converting Colors - WCAG Matrix

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

Hex(ACAEBA) Hex(DCE0F2) Hex(B1ACBA) Hex(53545C) Hex(00169C) Hex(00041C)

	Hex(ACAEBA)	Hex(DCE0F2)	Hex(B1ACBA)	Hex(53545C)	Hex(00169C)	Hex(00041C)
Hex(ACAEBA)		Ratio: 1.68 Failed ⁵	Ratio: 1.00 Failed ⁵	Ratio: 3.41 AA 18pt ²	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 9.20 Passed ⁶
Hex(DCE0F2)	Ratio: 1.68 Failed ⁵		Ratio: 1.69 Failed ⁵	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 10.02 Passed ⁶	Ratio: 15.46 Passed ⁶
Hex(B1ACBA)	Ratio: 1.00 Failed ⁵	Ratio: 1.69 Failed ⁵		Ratio: 3.40 AA 18pt ²	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 9.17 Passed ⁶
Hex(53545C)	Ratio: 3.41 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 3.40 AA 18pt ²		Ratio: 1.75 Failed ⁵	Ratio: 2.70 Failed ⁵
Hex(00169C)	Ratio: 5.97 AA ¹ AAA 18pt ⁴	Ratio: 10.02 Passed ⁶	Ratio: 5.94 AA ¹ AAA 18pt ⁴	Ratio: 1.75 Failed ⁵		Ratio: 1.54 Failed ⁵
Hex(00041C)	Ratio: 9.20 Passed ⁶	Ratio: 15.46 Passed ⁶	Ratio: 9.17 Passed ⁶	Ratio: 2.70 Failed ⁵	Ratio: 1.54 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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