

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.
Hex(B121A4) Hex(E6AEE1) Hex(2D21B1) Hex(735170) Hex(F2F2F2) Hex(737373)

Hex(B121A4)		Ratio: 3.18 AA 18pt²	Ratio: 1.84 Failed⁵	Ratio: 1.15 Failed⁵	Ratio: 5.18 AA¹ AAA 18pt⁴	Ratio: 1.22 Failed⁵
Hex(E6AEE1)	Ratio: 3.18 AA 18pt²		Ratio: 5.86 AA¹ AAA 18pt⁴	Ratio: 3.66 AA 18pt²	Ratio: 1.63 Failed⁵	Ratio: 2.60 Failed⁵
Hex(2D21B1)	Ratio: 1.84 Failed⁵	Ratio: 5.86 AA¹ AAA 18pt⁴		Ratio: 1.60 Failed⁵	Ratio: 9.55 Passed⁶	Ratio: 2.25 Failed⁵
Hex(735170)	Ratio: 1.15 Failed⁵	Ratio: 3.66 AA 18pt²	Ratio: 1.60 Failed⁵		Ratio: 5.97 AA¹ AAA 18pt⁴	Ratio: 1.41 Failed⁵
Hex(F2F2F2)	Ratio: 5.18 AA¹ AAA 18pt⁴	Ratio: 1.63 Failed⁵	Ratio: 9.55 Passed⁶	Ratio: 5.97 AA¹ AAA 18pt⁴		Ratio: 4.24 AA 18pt²
Hex(737373)	Ratio: 1.22 Failed⁵	Ratio: 2.60 Failed⁵	Ratio: 2.25 Failed⁵	Ratio: 1.41 Failed⁵	Ratio: 4.24 AA 18pt²	

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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