

Converting Colors - WCAG Matrix

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

Hex(301A5D) Hex(665D78) Hex(1A485D) Hex(332D3D) Hex(BDBDBD) Hex(3D3D3D)

	Hex(301A5D)	Hex(665D78)	Hex(1A485D)	Hex(332D3D)	Hex(BDBDBD)	Hex(3D3D3D)
Hex(301A5D)		Ratio: 2.38 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 7.81 Passed ⁶	Ratio: 1.35 Failed ⁵
Hex(665D78)	Ratio: 2.38 Failed ⁵		Ratio: 1.60 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 1.76 Failed ⁵
Hex(1A485D)	Ratio: 1.49 Failed ⁵	Ratio: 1.60 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 1.10 Failed ⁵
Hex(332D3D)	Ratio: 1.11 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 7.06 Passed ⁶	Ratio: 1.22 Failed ⁵
Hex(BDBDBD)	Ratio: 7.81 Passed ⁶	Ratio: 3.29 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 7.06 Passed ⁶		Ratio: 5.78 AA ¹ AAA 18pt ⁴
Hex(3D3D3D)	Ratio: 1.35 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 5.78 AA ¹ AAA 18pt ⁴	

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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