

Converting Colors - WCAG Matrix

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

	Hex(300306)	Hex(30080A)	Hex(300D0F)	Hex(301113)	Hex(301618)	Hex(301B1C)	Hex(302021)	Hex(302525)	Hex(30292A)	Hex(302E2E)
Hex(300306)		Ratio: 1.02 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(30080A)	Ratio: 1.02 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(300D0F)	Ratio: 1.04 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.02 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(301113)	Ratio: 1.06 Failed ⁵	Ratio: 1.04 Failed ⁵	Ratio: 1.02 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(301618)	Ratio: 1.10 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(301B1C)	Ratio: 1.14 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(302021)	Ratio: 1.19 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.08 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(302525)	Ratio: 1.24 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(30292A)	Ratio: 1.29 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(302E2E)	Ratio: 1.36 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.10 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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