

Converting Colors - WCAG Matrix

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

	Hex(A1A1A1)	Hex(A19191)	Hex(A18181)	Hex(A17171)	Hex(A16161)	Hex(A15151)	Hex(A14040)	Hex(A13030)	Hex(A12020)	Hex(A11010)
Hex(A1A1A1)		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 2.45 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.13 AA 18pt ²
Hex(A19191)	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.69 Failed ⁵
Hex(A18181)	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(A17171)	Ratio: 1.59 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.97 Failed ⁵
Hex(A16161)	Ratio: 1.85 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(A15151)	Ratio: 2.13 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(A14040)	Ratio: 2.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(A13030)	Ratio: 2.73 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵
Hex(A12020)	Ratio: 2.96 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(A11010)	Ratio: 3.13 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.06 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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