Converting Colors - WCAG Matrix

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

	Hex(D60000)	Hex(D61515)	Hex(D62B2B)	Hex(D64040)	Hex(D65656)	Hex(D66B6B)	Hex(D68080)	Hex(D69696)	Hex(D6ABAB)	Hex(D6C1C1)
Hex(D60000)		Ratio: 1.03 Failed [5]	Ratio: 1.10 Failed [5]	Ratio: 1.21 Failed [5]	Ratio: 1.38 Failed [5]	Ratio: 1.60 Failed [5]	Ratio: 1.88 Failed [5]	Ratio: 2.24 Failed [5]	Ratio: 2.66 Failed [5]	Ratio: 3.18 AA 18pt [2]
Hex(D61515)	Ratio: 1.03 Failed [5]		Ratio: 1.07 Failed [5]	Ratio: 1.17 Failed [5]	Ratio: 1.34 Failed [5]	Ratio: 1.55 Failed [5]	Ratio: 1.82 Failed [5]	Ratio: 2.18 Failed [5]	Ratio: 2.58 Failed [5]	Ratio: 3.08 AA 18pt [2]
Hex(D62B2B)	Ratio: 1.10 Failed [5]	Ratio: 1.07 Failed [5]		Ratio: 1.10 Failed [5]	Ratio: 1.26 Failed [5]	Ratio: 1.46 Failed [5]	Ratio: 1.71 Failed [5]	Ratio: 2.04 Failed [5]	Ratio: 2.42 Failed [5]	Ratio: 2.89 Failed [5]
Hex(D64040)	Ratio: 1.21 Failed [5]	Ratio: 1.17 Failed [5]	Ratio: 1.10 Failed [5]		Ratio: 1.14 Failed [5]	Ratio: 1.32 Failed [5]	Ratio: 1.56 Failed [5]	Ratio: 1.86 Failed [5]	Ratio: 2.20 Failed [5]	Ratio: 2.63 Failed [5]
Hex(D65656)	Ratio: 1.38 Failed [5]	Ratio: 1.34 Failed [5]	Ratio: 1.26 Failed [5]	Ratio: 1.14 Failed [5]		Ratio: 1.16 Failed [5]	Ratio: 1.36 Failed [5]	Ratio: 1.63 Failed [5]	Ratio: 1.93 Failed [5]	Ratio: 2.30 Failed [5]
Hex(D66B6B)	Ratio: 1.60 Failed [5]	Ratio: 1.55 Failed [5]	Ratio: 1.46 Failed [5]	Ratio: 1.32 Failed [5]	Ratio: 1.16 Failed [5]		Ratio: 1.18 Failed [5]	Ratio: 1.40 Failed [5]	Ratio: 1.66 Failed [5]	Ratio: 1.99 Failed [5]
Hex(D68080)	Ratio: 1.88 Failed [5]	Ratio: 1.82 Failed [5]	Ratio: 1.71 Failed [5]	Ratio: 1.56 Failed [5]	Ratio: 1.36 Failed [5]	Ratio: 1.18 Failed [5]		Ratio: 1.19 Failed [5]	Ratio: 1.42 Failed [5]	Ratio: 1.69 Failed [5]
Hex(D69696)	Ratio: 2.24 Failed [5]	Ratio: 2.18 Failed [5]	Ratio: 2.04 Failed [5]	Ratio: 1.86 Failed [5]	Ratio: 1.63 Failed [5]	Ratio: 1.40 Failed [5]	Ratio: 1.19 Failed [5]		Ratio: 1.19 Failed [5]	Ratio: 1.42 Failed [5]
Hex(D6ABAB)	Ratio: 2.66 Failed [5]	Ratio: 2.58 Failed [5]	Ratio: 2.42 Failed [5]	Ratio: 2.20 Failed [5]	Ratio: 1.93 Failed [5]	Ratio: 1.66 Failed [5]	Ratio: 1.42 Failed [5]	Ratio: 1.19 Failed [5]		Ratio: 1.19 Failed [5]
Hex(D6C1C1)	Ratio: 3.18 AA 18pt [2]	Ratio: 3.08 AA 18pt [2]	Ratio: 2.89 Failed [5]	Ratio: 2.63 Failed [5]	Ratio: 2.30 Failed [5]	Ratio: 1.99 Failed [5]	Ratio: 1.69 Failed [5]	Ratio: 1.42 Failed [5]	Ratio: 1.19 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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