

# Converting Colors - WCAG Matrix

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

	Hex(A8A8A8)	Hex(B9A8B1)	Hex(CAA8BB)	Hex(DAA8C4)	Hex(EBA8CD)	Hex(FCA8D7)	Hex(FFA8E0)	Hex(FFA8E9)	Hex(FFA8F3)	Hex(FFA8FC)
Hex(A8A8A8)		<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.33</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.35</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.39</a> Failed <sup>5</sup>
Hex(B9A8B1)	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.26</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.28</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.32</a> Failed <sup>5</sup>
Hex(CAA8BB)	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.21</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>
Hex(DAA8C4)	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.17</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>
Hex(EBA8CD)	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.12</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.09</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>
Hex(FCA8D7)	<a href="#">Ratio: 1.33</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.26</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.19</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.13</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.06</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.04</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>
Hex(FFA8E0)	<a href="#">Ratio: 1.35</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.28</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.21</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.15</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.08</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>
Hex(FFA8E9)	<a href="#">Ratio: 1.36</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.29</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.22</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.16</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.09</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>
Hex(FFA8F3)	<a href="#">Ratio: 1.38</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.31</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.24</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.17</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.10</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.04</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>		<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>
Hex(FFA8FC)	<a href="#">Ratio: 1.39</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.32</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.25</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.18</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.11</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.05</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.03</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.02</a> Failed <sup>5</sup>	<a href="#">Ratio: 1.01</a> Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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