

Converting Colors

XYZ(19.8142, 18.4238, 28.0868)

Have a look what the booklet for
XYZ(19.8142, 18.4238, 28.0868)
contains.

XYZ(19.8409, 18.4304, 28.1029)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.8409, 18.4304,
28.1029)**

Conversions

Conversions Part 1

Format	Color
Hex	81718E
RGB	129, 113, 142
RGB Percent	51%, 44%, 56%
CMY	0.4941, 0.5569, 0.4431
CMYK	0.09, 0.20, 0.00, 0.44
HSL	273°, 11%, 50%
HSV	273°, 20%, 56%
XYZ	19.8409, 18.4304, 28.1029
YIQ	121.0900, 0.2270, 12.4110

Conversions

Conversions Part 2

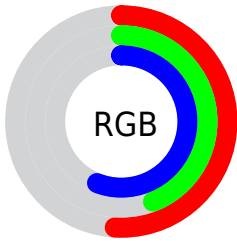
Format	Color
R_{YB}	129, 113, 142
Decimal	8483214
CIE _{Lab}	50.01, 12.06, -13.52
CIE _{LCh}	50, 18.119, 311.733
Yxy	18.4304, 0.2989, 0.2777
Android (android.graphics.Color)	4286673294 (0xFF81718E)
YUV	121.0900, 10.3086, 6.9371
Hunter-Lab	42.9306, 7.3672, -8.7605

Details

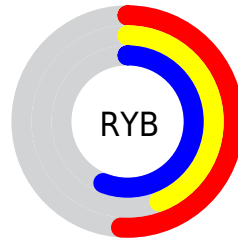
The XYZ color **19.8409, 18.4304, 28.1029** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **21.2585, 24.9744, 19.3238**, and the grayscale version is **18.1712, 19.1175, 20.8190**.

A 20% lighter version of the original color is **42.7103, 40.8409, 57.8566**, and **7.1303, 6.2588, 10.9575** is the 20% darker color. If you saturate the color by 10%, you get **17.4421, 15.0235, 27.5720**, and if you desaturate by 10%, it is **22.5490, 22.3657, 28.7200**.

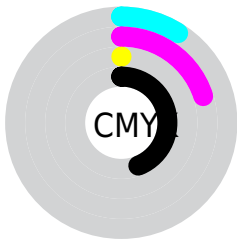
Distribution



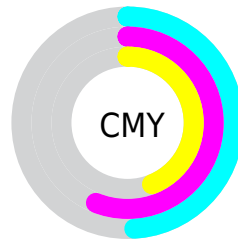
- Red (51%)
- Green (44%)
- Blue (56%)



- Red (51%)
- Yellow (44%)
- Blue (56%)



- Cyan (9%)
- Magenta (20%)
- Yellow (0%)
- Black (44%)



- Cyan (49%)
- Magenta (56%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8409, 18.4304, 28.1029 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 19.8409, 18.4304, 28.1029 by changing the saturation by 10% instead.

■ 19.8409, 18.4304,
28.1029

■ 19.8409, 18.4304,
28.1029

243.9025,
243.2859, 306.8857

■ 12.3870, 11.2594,
18.1635

■ 42.6563, 40.7694,
57.6738

■ 7.0819, 6.2416,
10.8968

■ 58.7485, 56.7061,
78.1423

■ 3.5602, 2.9925,
5.8842

■ 78.4508, 76.3337,
102.9577

■ 1.4564, 1.1278,
2.7071

■ 102.1287,
100.0363, 132.5384

■ 0.2959, 0.0016,
0.9470

130.1475,
128.1984, 167.3031

■ 0.0000, 0.0000,
0.0000

162.8725,

161.2045, 207.6701

200.6690,
199.4389, 254.0581

■ 19.8409, 18.4304,
28.1029

■ 19.8409, 18.4304,
28.1029

■ 17.4421, 15.0235,
27.5720

■ 22.5490, 22.3657,
28.7200

■ 15.3382, 12.1192,
27.1223

■ 25.5765, 26.8491,
29.4259

■ 13.5164, 9.6927,
26.7500

■ 28.9351, 31.9021,
30.2242

■ 11.9620, 7.7165,
26.4505

■ 32.6354, 37.5445,
31.1182

■ 10.6588, 6.1600,
26.2187

■ 36.6875, 43.7949,
32.1111

9.5885, 4.9885,
26.0490

41.1010, 50.6711,
33.2057

8.7300, 4.1617,
25.9347

45.8851, 58.1904,
34.4050

8.0526, 3.5872,
25.8595

51.0489, 66.3692,
35.7115

56.6008, 75.2234,
37.1279

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.2069, 18.4304, 30.9899



19.8409, 18.4304, 28.1029



20.8914, 18.4304, 23.2240

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.8409, 18.4304, 28.1029



18.5875, 18.4304, 12.2731



14.4411, 18.4304, 22.0803

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.8409, 18.4304, 28.1029



21.2585, 24.9744, 19.3238

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



14.5280, 18.4304, 17.2110



19.8409, 18.4304, 28.1029



16.8458, 18.4304, 12.0705

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.8409, 18.4304, 28.1029



20.1354, 18.4304, 14.3401



15.3830, 18.4304, 13.7316



15.1371, 18.4304, 27.1472

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.8409, 18.4304, 28.1029



21.0799, 18.4304, 19.7791



15.3830, 18.4304, 13.7316



14.3810, 18.4304, 20.3589

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.8415, 18.4312, 28.1033



41.9861, 42.7152, 51.1598



19.1605, 20.3989, 28.5190



9.3131, 9.4451, 11.4117



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.8415, 18.4312, 28.1033



32.7644, 29.3239, 49.0611



21.8353, 19.4715, 27.6320



5.3961, 5.3924, 6.7852



7.2514, 3.2318, 23.2187



0.0947, 0.0440, 0.2232

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



20.8270, 19.0682, 22.3223



34.9124, 30.7102, 36.5603



19.5467, 24.0824, 19.6732



5.5031, 5.4618, 6.1471



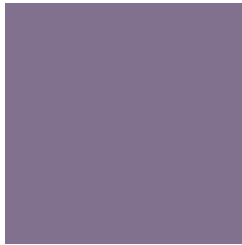
10.8470, 5.4958, 4.8458



0.1145, 0.0569, 0.1034

Previews

White Background



This preview shows how the XYZ color 19.8409, 18.4304, 28.1029 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 19.8409, 18.4304, 28.1029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8409, 18.4304, 28.1029

Background



This preview shows how black text looks on a background with the XYZ color 19.8409, 18.4304, 28.1029.



This preview shows how white text looks on a background with the XYZ color 19.8409, 18.4304,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.8409, 18.4304, 28.1029

Protanopia

18.3993, 18.5119, 29.3915

Deuteranopia

18.7988, 18.4069, 27.7614



Tritanopia

18.5512, 18.4071, 21.9772

Trichromacy



Original Color

19.8409, 18.4304, 28.1029

Protanomaly

18.8872, 18.4263, 28.9467

Deuteranomaly

19.1068, 18.3955, 27.7430

Tritanomaly

18.9799, 18.4122, 24.0263

Monochromacy



Original Color

19.8409, 18.4304, 28.1029

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.7531, 18.8269, 23.4144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8409, 18.4304, 28.1029 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(129, 113, 142)` looks like.

```
.text, #text, p{  
    color:rgb(129, 113, 142)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(129, 113, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 113, 142) }
```

Border

The CSS property to change the border of an element to XYZ 19.8409, 18.4304, 28.1029 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(129, 113, 142) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(129, 113, 142) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(129, 113, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 113, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 113, 142);  
box-shadow:4px 4px 4px 4px rgb(129, 113,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8409, 18.4304, 28.1029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 113, 142) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(129,  
113, 142) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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