

Converting Colors

XYZ(19.3772, 20.3351, 38.6045)

Have a look what the booklet for
XYZ(19.3772, 20.3351, 38.6045)
contains.

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Color

**XYZ(19.2894, 20.2350,
38.4864)**

Conversions

Conversions Part 1

Format	Color
Hex	627EA5
RGB	98, 126, 165
RGB Percent	38%, 49%, 65%
CMY	0.6157, 0.5059, 0.3529
CMYK	0.41, 0.24, 0.00, 0.35
HSL	215°, 27%, 52%
HSV	215°, 41%, 65%
XYZ	19.2894, 20.2350, 38.4864
YIQ	122.0740, -29.2070, 6.1930

Conversions

Conversions Part 2

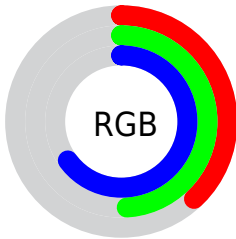
Format	Color
R _Y B	98, 118, 165
Decimal	6454949
CIE Lab	52.10, 0.29, -23.99
CIE LCh	52, 23.994, 270.687
Yxy	20.2350, 0.2473, 0.2594
Android (android.graphics.Color)	4284645029 (0xFF627EA5)
YUV	122.0740, 21.1625, -21.1129
Hunter-Lab	44.9833, -2.1779, -19.2384

Details

The XYZ color **19.2894, 20.2350, 38.4864** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.6678, 26.7731, 15.3182**, and the grayscale version is **18.4633, 19.4248, 21.1536**.

A 20% lighter version of the original color is **41.8009, 43.9868, 73.9973**, and **6.8068, 7.1043, 16.6353** is the 20% darker color. If you saturate the color by 10%, you get **16.5196, 17.0710, 38.0220**, and if you desaturate by 10%, it is **22.5455, 23.8256, 39.0082**.

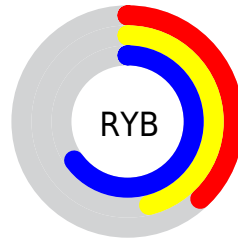
Distribution



Red (38%)

Green (49%)

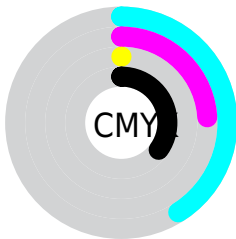
Blue (65%)



Red (38%)

Yellow (46%)

Blue (65%)

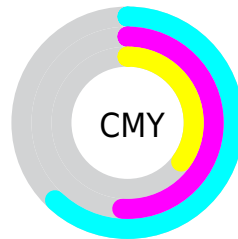


Cyan (41%)

Magenta (24%)

Yellow (0%)

Black (35%)



Cyan (62%)

Magenta (51%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.2894, 20.2350, 38.4864 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 19.2894, 20.2350, 38.4864 by changing the saturation by 10% instead.

■ 19.2894, 20.2350,
38.4864

■ 19.2894, 20.2350,
38.4864

240.9493,
253.1845, 355.0625

■ 11.9848, 12.5660,
26.0557

■ 41.7356, 43.8108,
74.0647

■ 6.8055, 7.1304,
16.6391

■ 57.6080, 60.4864,
98.0494

■ 3.3860, 3.5438,
9.8183

■ 77.0671, 80.9330,
126.7224

■ 1.3610, 1.4218,
5.1746

■ 100.4781,
105.5350, 160.5024

■ 0.2282, 0.2327,
2.2896

128.2065,
134.6767, 199.8079

■ 0.0000, 0.0000,
0.7254

160.6176,

■ 0.0000, 0.0000,

168.7426, 245.0573

0.0000

198.0768,
208.1171, 296.6694

■ 19.2894, 20.2350,
38.4864

■ 19.2894, 20.2350,
38.4864

■ 16.5196, 17.0710,
38.0220

■ 22.5455, 23.8256,
39.0082

■ 14.2079, 14.3129,
37.6115

■ 26.3099, 27.8576,
39.5881

■ 12.3265, 11.9416,
37.2530

■ 30.6054, 32.3477,
40.2283

■ 10.8431, 9.9352,
36.9439

■ 35.4529, 37.3111,
40.9309

■ 9.7199, 8.2684,
36.6813

■ 40.8722, 42.7621,
41.6974

■ 8.9170, 6.9675,
36.4726

■ 46.8820, 48.7145,
42.5296

■ 53.5001, 55.1815,
43.4290

■ 60.7436, 62.1757,
44.3973

■ 68.6289, 69.7092,
45.4358

Harmonies

Analogous

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



17.0150, 20.2350, 36.0334



19.2894, 20.2350, 38.4864



21.7415, 20.2350, 35.8090

Triad

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



19.2894, 20.2350, 38.4864



23.5804, 20.2350, 15.8330



15.4065, 20.2350, 16.0593

Complementary

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



19.2894, 20.2350, 38.4864



26.6678, 26.7731, 15.3182

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.



16.9248, 20.2350, 12.3385



19.2894, 20.2350, 38.4864



21.6354, 20.2350, 12.2288

Square

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



19.2894, 20.2350, 38.4864



24.3447, 20.2350, 21.8708



19.1762, 20.2350, 11.0982



14.8918, 20.2350, 22.1949

Rectangle

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



19.2894, 20.2350, 38.4864



23.1174, 20.2350, 31.7456



19.1762, 20.2350, 11.0982



15.8097, 20.2350, 14.5351

Sweetspot

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



19.2901, 20.2358, 38.4869



53.5029, 56.5762, 71.8527



22.9343, 31.2841, 28.1104



11.4859, 12.1496, 15.6773



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.2901, 20.2358, 38.4869



29.9081, 30.9488, 68.1497



16.6924, 14.3049, 37.4790



6.9323, 7.3237, 8.9513



6.7930, 5.3653, 27.6074



0.1889, 0.2051, 0.5955

Inverse Universe

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



23.6512, 18.2418, 22.0139



39.0429, 27.6186, 33.4558



30.2643, 35.3212, 16.7786



7.1908, 7.1328, 7.9912



12.5742, 6.3858, 4.9486



0.2875, 0.1435, 0.2268

Previews

White Background



This preview shows how the XYZ color 19.2894, 20.2350, 38.4864 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 19.2894, 20.2350, 38.4864 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

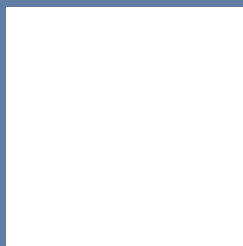
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.2894, 20.2350, 38.4864

Background



This preview shows how black text looks on a background with the XYZ color 19.2894, 20.2350, 38.4864.

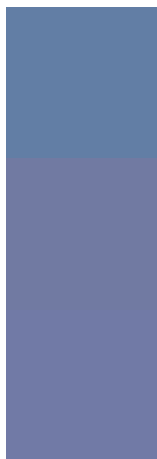


This preview shows how white text looks on a background with the XYZ color 19.2894, 20.2350,

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

19.2894, 20.2350, 38.4864

Protanopia

20.2912, 20.0384, 36.9808

Deuteranopia

20.6525, 20.1830, 38.8836



Tritanopia

17.2040, 20.1637, 28.1845

Trichromacy



Original Color

19.2894, 20.2350, 38.4864

Protanomaly

19.8782, 19.9984, 37.4627

Deuteranomaly

20.1502, 20.1072, 38.8954

Tritanomaly

17.9714, 20.2822, 31.8218

Monochromacy



Original Color

19.2894, 20.2350, 38.4864

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.4805, 19.5116, 26.8368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2894, 20.2350, 38.4864 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(98, 126, 165) looks like.

```
.text, #text, p{  
    color:rgb(98, 126, 165)  
}
```

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(98, 126, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 126, 165) }
```

Border

The CSS property to change the border of an element to XYZ 19.2894, 20.2350, 38.4864 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(98, 126, 165) }
```


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

```
.border{ border-color:rgb(98, 126, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 126, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 126, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 126, 165);  
box-shadow:4px 4px 4px 4px rgb(98, 126,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2894, 20.2350, 38.4864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 126, 165) }
```

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

```
.background{ background-color: rgb(98, 126,  
165) }
```

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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