

Converting Colors

XYZ(18.8196, 20.6603, 31.0473)

Have a look what the booklet for
XYZ(18.8196, 20.6603, 31.0473)
contains.

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Color

**XYZ(18.9045, 20.7817,
31.0319)**

Conversions

Conversions Part 1

Format	Color
Hex	688194
RGB	104, 129, 148
RGB Percent	41%, 51%, 58%
CMY	0.5921, 0.4941, 0.4196
CMYK	0.30, 0.13, 0.00, 0.42
HSL	206°, 17%, 49%
HSV	206°, 30%, 58%
XYZ	18.9045, 20.7817, 31.0319
YIQ	123.6910, -20.9990, 0.6090

Conversions

Conversions Part 2

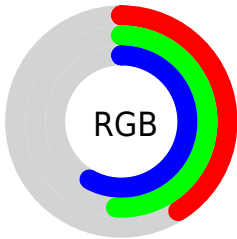
Format	Color
R_{YB}	104, 120, 148
Decimal	6848916
CIE _{Lab}	52.71, -4.30, -13.15
CIE _{LCh}	53, 13.837, 251.896
Yxy	20.7817, 0.2673, 0.2939
Android (android.graphics.Color)	4285038996 (0xFF688194)
YUV	123.6910, 11.9843, -17.2690
Hunter-Lab	45.5869, -5.7548, -8.4490

Details

The XYZ color **18.9045, 20.7817, 31.0319** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.7947, 21.4616, 16.0911**, and the grayscale version is **19.0224, 20.0130, 21.7942**.

A 20% lighter version of the original color is **41.0989, 44.7881, 62.3559**, and **6.6019, 7.4126, 12.3921** is the 20% darker color. If you saturate the color by 10%, you get **16.5195, 18.3418, 30.6870**, and if you desaturate by 10%, it is **21.6449, 23.4840, 31.4094**.

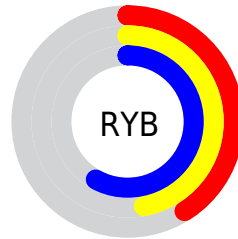
Distribution



Red (41%)

Green (51%)

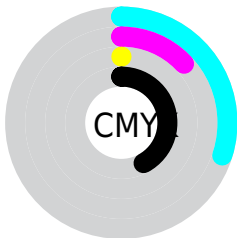
Blue (58%)



Red (41%)

Yellow (47%)

Blue (58%)

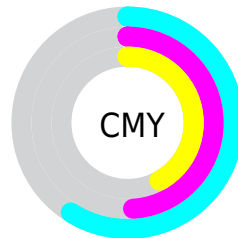


Cyan (30%)

Magenta (13%)

Yellow (0%)

Black (42%)



Cyan (59%)

Magenta (49%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9045, 20.7817, 31.0319 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 18.9045, 20.7817, 31.0319 by changing the saturation by 10% instead.

■ 18.9045, 20.7817,
31.0319

■ 18.9045, 20.7817,
31.0319

238.8693,
256.1161, 321.0410

■ 11.7049, 12.9645,
20.3645

■ 41.0908, 44.7239,
62.3705

■ 6.6138, 7.4041,
12.4736

■ 56.8082, 61.6178,
83.8787

■ 3.2660, 3.7161,
6.9406

■ 76.0955, 82.3060,
109.8376

■ 1.2959, 1.5161,
3.3471

■ 99.3182, 107.1729,
140.6656

■ 0.1802, 0.3000,
1.2745

126.8416,
136.6030, 176.7815

■ 0.0000, 0.0000,
0.0407

159.0310,

■ 0.0000, 0.0000,

170.9807, 218.6037

0.0000

196.2517,
210.6902, 266.5506

■ 18.9045, 20.7817,
31.0319

■ 18.9045, 20.7817,
31.0319

■ 16.5195, 18.3418,
30.6870

■ 21.6449, 23.4840,
31.4094

■ 14.4714, 16.1519,
30.3723

■ 24.7545, 26.4556,
31.8191

■ 12.7426, 14.2018,
30.0870

■ 28.2483, 29.7062,
32.2624

■ 11.3130, 12.4799,
29.8300

■ 32.1402, 33.2442,
32.7402

■ 10.1601, 10.9728,
29.5998

■ 36.4432, 37.0776,
33.2533

■ 9.2577, 9.6654,
29.3950

■ 41.1696, 41.2141,
33.8026

■ 8.5416, 8.5231,
29.2123

■ 46.3315, 45.6610,
34.3889

■ 8.5231, 8.4936,
29.2076

■ 51.9401, 50.4254,
35.0129

■ 58.0065, 55.5140,
35.6754

Harmonies

Analogous

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



17.7624, 20.7817, 28.3463



18.9045, 20.7817, 31.0319



20.3286, 20.7817, 31.3070

Triad

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



18.9045, 20.7817, 31.0319



22.5872, 20.7817, 21.0323



17.9607, 20.7817, 17.2240

Complementary

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



18.9045, 20.7817, 31.0319



21.7947, 21.4616, 16.0911

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.



19.1872, 20.7817, 15.7220



18.9045, 20.7817, 31.0319



21.8857, 20.7817, 17.7351

Square

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



18.9045, 20.7817, 31.0319



22.5025, 20.7817, 25.1821



20.6252, 20.7817, 15.8970



17.2360, 20.7817, 20.2522

Rectangle

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



18.9045, 20.7817, 31.0319



21.2517, 20.7817, 30.0492



20.6252, 20.7817, 15.8970



18.3253, 20.7817, 16.5415

Sweetspot

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



18.9051, 20.7825, 31.0324



43.9981, 46.9809, 56.1839



19.8329, 25.5367, 22.4052



9.8660, 10.5570, 12.8025



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.9051, 20.7825, 31.0324



30.3504, 33.6117, 54.3226



16.3822, 15.7367, 30.1914



5.7565, 6.1470, 7.3528



7.3074, 7.3095, 24.9568



0.1188, 0.1482, 0.3152

Inverse Universe

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



21.1261, 17.7821, 23.0886



35.0366, 27.7179, 37.4631



24.7357, 27.3435, 17.0714



5.9305, 5.8673, 6.7403



11.8155, 5.9313, 7.7754



0.1594, 0.0785, 0.1732

Previews

White Background



This preview shows how the XYZ color 18.9045, 20.7817, 31.0319 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 18.9045, 20.7817, 31.0319 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

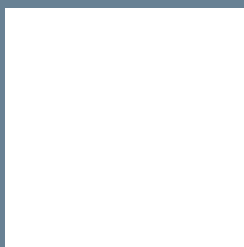
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.9045, 20.7817, 31.0319

Background



This preview shows how black text looks on a background with the XYZ color 18.9045, 20.7817, 31.0319.



This preview shows how white text looks on a background with the XYZ color 18.9045, 20.7817,

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

18.9045, 20.7817, 31.0319

Protanopia

20.3445, 20.5972, 29.6915

Deuteranopia

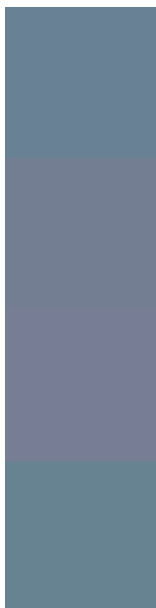
21.1120, 20.7715, 31.3303



Tritanopia

18.2698, 20.7131, 28.2344

Trichromacy



Original Color

18.9045, 20.7817, 31.0319

Protanomaly

19.7194, 20.6419, 30.1391

Deuteranomaly

20.2296, 20.6887, 31.3609

Tritanomaly

18.6102, 20.8624, 29.4315

Monochromacy



Original Color

18.9045, 20.7817, 31.0319

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.0306, 20.3971, 25.1243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9045, 20.7817, 31.0319 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(104, 129, 148)` looks like.

```
.text, #text, p{  
    color:rgb(104, 129, 148)  
}
```

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(104, 129, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 129, 148) }
```

Border

The CSS property to change the border of an element to XYZ 18.9045, 20.7817, 31.0319 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(104, 129, 148) }
```


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

```
.border{ border-color:rgb(104, 129, 148) }
```

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

Here you see how a box with a 4 pixel rgb(104, 129, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 129, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 129, 148);  
box-shadow:4px 4px 4px 4px rgb(104, 129,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9045, 20.7817, 31.0319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 129, 148) }
```

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

```
.background{ background-color: rgb(104,  
129, 148) }
```

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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