

Converting Colors

XYZ(28.8525, 31.0458, 66.5279)

Have a look what the booklet for
XYZ(28.8525, 31.0458, 66.5279)
contains.

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Color

**XYZ(28.9177, 31.1830,
66.7822)**

Conversions

Conversions Part 1

Format	Color
Hex	639CD4
RGB	99, 156, 212
RGB Percent	39%, 61%, 83%
CMY	0.6117, 0.3882, 0.1686
CMYK	0.53, 0.26, 0.00, 0.17
HSL	210°, 57%, 61%
HSV	210°, 53%, 83%
XYZ	28.9177, 31.1830, 66.7822
YIQ	145.3410, -51.9480, 5.3320

Conversions

Conversions Part 2

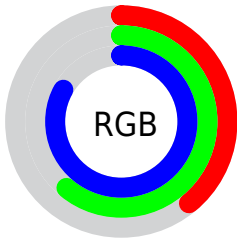
Format	Color
R _Y B	99, 137, 212
Decimal	6528212
CIE Lab	62.66, -2.77, -34.30
CIE LCh	63, 34.415, 265.381
Yxy	31.1830, 0.2279, 0.2458
Android (android.graphics.Color)	4284718292 (0xFF639CD4)
YUV	145.3410, 32.8629, -40.6411
Hunter-Lab	55.8417, -5.2866, -31.8168

Details

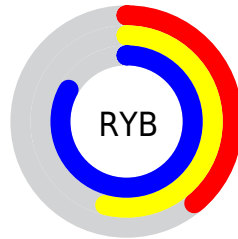
The XYZ color **28.9177, 31.1830, 66.7822** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **41.1261, 38.3422, 17.0389**, and the grayscale version is **26.9389, 28.3418, 30.8642**.

A 20% lighter version of the original color is **54.8069, 60.3811, 103.3738**, and **11.8649, 12.9125, 33.7653** is the 20% darker color. If you saturate the color by 10%, you get **25.2111, 26.7676, 66.1259**, and if you desaturate by 10%, it is **33.3869, 36.2190, 67.5193**.

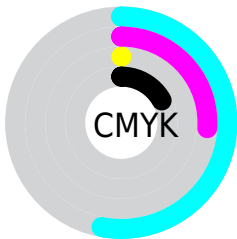
Distribution



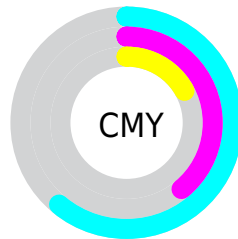
- Red (39%)
- Green (61%)
- Blue (83%)



- Red (39%)
- Yellow (54%)
- Blue (83%)



- Cyan (53%)
- Magenta (26%)
- Yellow (0%)
- Black (17%)



- Cyan (61%)
- Magenta (39%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9177, 31.1830, 66.7822 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 28.9177, 31.1830, 66.7822 by changing the saturation by 10% instead.

■ 28.9177, 31.1830,
66.7822

■ 28.9177, 31.1830,
66.7822

288.8277,
307.3805, 467.6495

■ 19.1625, 20.7382,
48.4472

■ 57.3448, 61.5281,
116.2460

■ 11.8925, 12.9328,
33.8186

■ 76.7474, 82.1972,
148.2118

■ 6.7422, 7.3823,
22.4781

■ 100.0965,
107.0432, 185.5582

■ 3.3463, 3.7023,
14.0069

■ 127.7576,
136.4505, 228.7039

■ 1.3394, 1.5085,
7.9867

160.0958,
170.8035, 278.0673

■ 0.2124, 0.2947,
3.9988

197.4767,

■ 0.0000, 0.0000,

210.4865, 334.0670

1.6247

240.2655,
255.8841, 397.1216

■ 0.0000, 0.0000,
0.3083

■ 0.0000, 0.0000,
0.0000

■ 28.9177, 31.1830,
66.7822

■ 28.9177, 31.1830,
66.7822

■ 25.2111, 26.7676,
66.1259

■ 33.3869, 36.2190,
67.5193

■ 22.2112, 22.9368,
65.5446

■ 38.6625, 41.9021,
68.3382

■ 19.8591, 19.6546,
65.0350

■ 44.7886, 48.2608,
69.2427

■ 18.0827, 16.8778,
64.5927

■ 51.8049, 55.3208,
70.2356

■ 17.1349, 15.2557,
64.3295

■ 59.7486, 63.1062,
71.3196

■ 68.6546, 71.6399,
72.4974

■ 78.5558, 80.9435,
73.7713

■ 84.2996, 88.3652,
74.9011

■ 87.4837, 94.7333,
75.9625

Harmonies

Analogous

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



24.8012, 31.1830, 59.9753



28.9177, 31.1830, 66.7822



33.6778, 31.1830, 63.0684

Triad

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



28.9177, 31.1830, 66.7822



38.5631, 31.1830, 24.0351



22.8144, 31.1830, 21.2840

Complementary

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



28.9177, 31.1830, 66.7822



41.1261, 38.3422, 17.0389

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.



25.9358, 31.1830, 15.5453



28.9177, 31.1830, 66.7822



35.0671, 31.1830, 16.8147

Square

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



28.9177, 31.1830, 66.7822



39.5752, 31.1830, 36.0771



30.3712, 31.1830, 14.1566



21.5221, 31.1830, 31.9139

Rectangle

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



28.9177, 31.1830, 66.7822



36.5379, 31.1830, 55.5358



30.3712, 31.1830, 14.1566



23.6674, 31.1830, 18.8418

Sweetspot

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



28.9188, 31.1841, 66.7830



75.4854, 80.8371, 106.2324



34.4910, 52.0609, 38.6370



15.6758, 16.8198, 22.6703



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



28.9188, 31.1841, 66.7830



37.6031, 39.8038, 100.3088



21.6728, 16.6922, 64.3676



12.2551, 13.0336, 15.8073



10.6785, 9.6188, 39.7470



0.7269, 0.7457, 2.4249

Inverse Universe

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



37.6149, 25.3223, 34.3586



52.7016, 31.9404, 43.4936



52.4797, 61.0495, 20.8235



12.6820, 12.5243, 14.2654



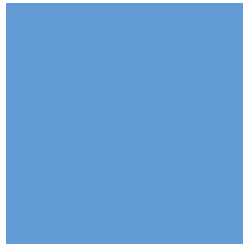
18.4489, 9.3159, 9.6679



1.1545, 0.5786, 0.8032

Previews

White Background



This preview shows how the XYZ color 28.9177, 31.1830, 66.7822 looks on a white background.

Color Contrast Check

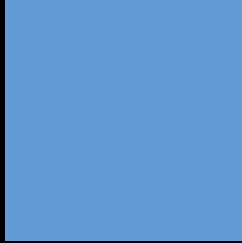
Large Text (above 18pt) WCAG AA × Fail

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 28.9177, 31.1830, 66.7822 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 ✓ Pass

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

XYZ 28.9177, 31.1830, 66.7822

Background



This preview shows how black text looks on a background with the XYZ color 28.9177, 31.1830, 66.7822.

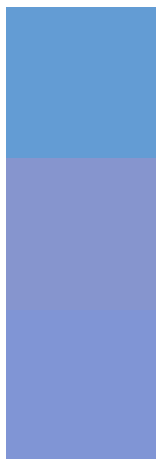


This preview shows how white text looks on a background with the XYZ color 28.9177, 31.1830,

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

28.9177, 31.1830, 66.7822

Protanopia

31.7195, 31.0195, 62.7081

Deuteranopia

31.6598, 30.8882, 67.2442



Tritanopia

24.7714, 31.3074, 45.8116

Trichromacy



Original Color

28.9177, 31.1830, 66.7822

Protanomaly

30.4986, 31.0755, 64.0652

Deuteranomaly

30.5746, 31.0425, 67.3311

Tritanomaly

26.0705, 31.0399, 52.7613

Monochromacy



Original Color

28.9177, 31.1830, 66.7822

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.8110, 28.9487, 41.7107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9177, 31.1830, 66.7822 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(99, 156, 212)` looks like.

```
.text, #text, p{  
    color:rgb(99, 156, 212)  
}
```

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(99, 156, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 156, 212) }
```

Border

The CSS property to change the border of an element to XYZ 28.9177, 31.1830, 66.7822 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(99, 156, 212) }
```


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

```
.border{ border-color:rgb(99, 156, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 156, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 156, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 156, 212);  
box-shadow:4px 4px 4px 4px rgb(99, 156,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9177, 31.1830, 66.7822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 156, 212) }
```

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

```
.background{ background-color: rgb(99, 156,  
212) }
```

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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