

Converting Colors

XYZ(30.5742, 28.9136, 81.0608)

Have a look what the booklet for
XYZ(30.5742, 28.9136, 81.0608)
contains.

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Color

**XYZ(30.5069, 28.8330,
81.0482)**

Conversions

Conversions Part 1

Format	Color
Hex	6990E9
RGB	105, 144, 233
RGB Percent	41%, 56%, 91%
CMY	0.5882, 0.4353, 0.0863
CMYK	0.55, 0.38, 0.00, 0.09
HSL	222°, 74%, 66%
HSV	222°, 55%, 91%
XYZ	30.5069, 28.8330, 81.0482
YIQ	142.4850, -51.8130, 19.4110

Conversions

Conversions Part 2

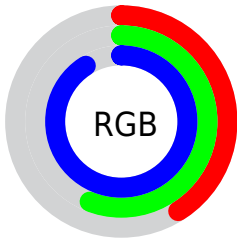
Format	Color
RYB	105, 135, 233
Decimal	6918377
CIELab	60.63, 12.02, -49.13
CIELCh	61, 50.577, 283.749
Yxy	28.8330, 0.2173, 0.2054
Android (android.graphics.Color)	4285108457 (0xFF6990E9)
YUV	142.4850, 44.6239, -32.8743
Hunter-Lab	53.6964, 7.4438, -51.9037

Details

The XYZ color **30.5069, 28.8330, 81.0482** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **55.4474, 56.9293, 21.4322**, and the grayscale version is **25.7476, 27.0885, 29.4994**.

A 20% lighter version of the original color is **53.3261, 55.0450, 102.4219**, and **12.7752, 11.6111, 43.1628** is the 20% darker color. If you saturate the color by 10%, you get **25.8554, 23.0503, 80.1778**, and if you desaturate by 10%, it is **36.2623, 35.7083, 82.0725**.

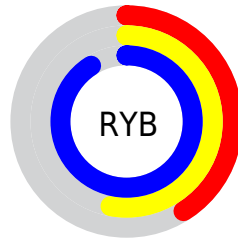
Distribution



Red (41%)

Green (56%)

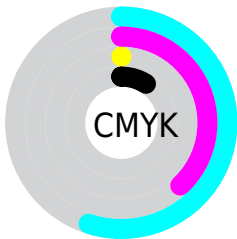
Blue (91%)



Red (41%)

Yellow (53%)

Blue (91%)

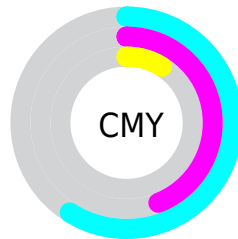


Cyan (55%)

Magenta (38%)

Yellow (0%)

Black (9%)



Cyan (59%)

Magenta (44%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5069, 28.8330, 81.0482 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 30.5069, 28.8330, 81.0482 by changing the saturation by 10% instead.

■ 30.5069, 28.8330,
81.0482

■ 30.5069, 28.8330,
81.0482

296.1277,
296.4262, 518.2580

■ 20.3736, 18.9545,
60.0501

■ 59.8440, 57.8116,
136.6631

■ 12.7768, 11.6374,
43.0334

■ 79.7786, 77.6806,
172.1170

■ 7.3509, 6.4973,
29.5797

■ 103.7110,
101.6485, 213.2265

■ 3.7308, 3.1498,
19.2705

132.0066,
130.0998, 260.4103

■ 1.5510, 1.2104,
11.6871

165.0307,
163.4188, 314.0867

■ 0.3601, 0.0702,
6.4110

203.1487,

■ 0.0000, 0.0000,

201.9899, 374.6745

3.0238

246.7259,
246.1976, 442.5920

■ 0.0000, 0.0000,
1.1068

■ 0.0000, 0.0000,
0.0000

■ 30.5069, 28.8330,
81.0482

■ 30.5069, 28.8330,
81.0482

■ 25.8554, 23.0503,
80.1778

■ 36.2623, 35.7083,
82.0725

■ 22.2268, 18.2952,
79.4512

■ 43.1881, 43.7302,
83.2559

■ 19.5330, 14.4988,
78.8604

■ 51.3491, 52.9521,
84.6058

■ 17.6672, 11.5805,
78.3954

■ 60.8042, 63.4233,
86.1285

■ 16.9606, 10.3883,
78.2026

■ 71.6086, 75.1898,
87.8303

■ 83.8140, 88.2955,
89.7166

■ 91.7081, 98.6632,
91.3017

Harmonies

Analogous

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



24.0308, 28.8330, 80.2837



30.5069, 28.8330, 81.0482



37.0639, 28.8330, 65.3029

Triad

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



30.5069, 28.8330, 81.0482



37.5414, 28.8330, 12.4809



17.0090, 28.8330, 22.3472

Complementary

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



30.5069, 28.8330, 81.0482



55.4474, 56.9293, 21.4322

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.



19.5892, 28.8330, 11.8886



30.5069, 28.8330, 81.0482



31.0809, 28.8330, 7.9440

Square

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



30.5069, 28.8330, 81.0482



41.5414, 28.8330, 23.5818



24.5206, 28.8330, 7.7821



16.9057, 28.8330, 40.7657

Rectangle

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



30.5069, 28.8330, 81.0482



40.3163, 28.8330, 50.1927



24.5206, 28.8330, 7.7821



17.5943, 28.8330, 17.9955

Sweetspot

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



30.5080, 28.8340, 81.0489



73.2081, 76.2826, 105.4733



44.5320, 65.1084, 60.3622



15.1355, 15.7391, 22.4902



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.



30.5080, 28.8340, 81.0489



31.0376, 27.4019, 98.2610



28.7334, 20.6134, 79.5557



14.6054, 15.2973, 19.1051



9.7195, 6.0859, 44.4054



0.8453, 0.6421, 3.5143

Inverse Universe

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



43.6909, 29.4417, 29.7665



49.2097, 29.8622, 27.2061



58.1353, 72.9318, 24.3793



15.2544, 15.1296, 16.6249



19.7612, 10.1072, 4.5440



1.5932, 0.8102, 0.5751

Previews

White Background



This preview shows how the XYZ color 30.5069, 28.8330, 81.0482 looks on a white background.

Color Contrast Check

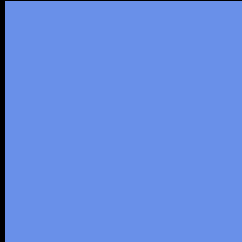
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5069, 28.8330, 81.0482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

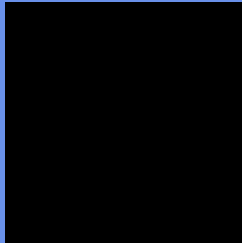
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.5069, 28.8330, 81.0482

Background



This preview shows how black text looks on a background with the XYZ color 30.5069, 28.8330, 81.0482.



This preview shows how white text looks on a background with the XYZ color 30.5069, 28.8330,

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

30.5069, 28.8330, 81.0482

Protanopia

31.0700, 28.9159, 80.2877

Deuteranopia

29.8107, 28.9278, 81.1032



Tritanopia

22.7923, 28.8101, 42.3898

Trichromacy



Original Color

30.5069, 28.8330, 81.0482

Protanomaly

30.6946, 28.7223, 80.2701

Deuteranomaly

29.9790, 28.7866, 81.0671

Tritanomaly

25.0703, 28.4804, 54.6280

Monochromacy



Original Color

30.5069, 28.8330, 81.0482

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.6136, 27.4072, 44.4449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5069, 28.8330, 81.0482 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(105, 144, 233)` looks like.

```
.text, #text, p{  
    color:rgb(105, 144, 233)  
}
```

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(105, 144, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 144, 233) }
```

Border

The CSS property to change the border of an element to XYZ 30.5069, 28.8330, 81.0482 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(105, 144, 233) }
```


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

```
.border{ border-color:rgb(105, 144, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 144, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 144, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 144, 233);  
box-shadow:4px 4px 4px 4px rgb(105, 144,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5069, 28.8330, 81.0482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 144, 233) }
```

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

```
.background{ background-color: rgb(105,  
144, 233) }
```

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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