

Converting Colors

XYZ(31.5047, 28.4127, 90.0528)

Have a look what the booklet for
XYZ(31.5047, 28.4127, 90.0528)
contains.

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Color

**XYZ(31.5998, 28.5259,
90.2268)**

Conversions

Conversions Part 1

Format	Color
Hex	678DF5
RGB	103, 141, 245
RGB Percent	40%, 55%, 96%
CMY	0.5961, 0.4471, 0.0392
CMYK	0.58, 0.42, 0.00, 0.04
HSL	224°, 88%, 68%
HSV	224°, 58%, 96%
XYZ	31.5998, 28.5259, 90.2268
YIQ	141.4940, -56.0320, 24.2880

Conversions

Conversions Part 2

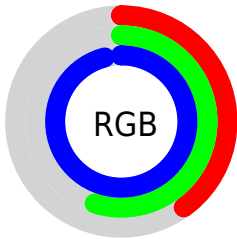
Format	Color
R _Y B	103, 133, 245
Decimal	6786549
CIE Lab	60.36, 17.24, -56.20
CIE LCh	60, 58.782, 287.052
Yxy	28.5259, 0.2102, 0.1897
Android (android.graphics.Color)	4284976629 (0xFF678DF5)
YUV	141.4940, 51.0285, -33.7592
Hunter-Lab	53.4096, 12.1426, -62.7739

Details

The XYZ color **31.5998, 28.5259, 90.2268** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.4192, 65.0205, 22.0941**, and the grayscale version is **25.3340, 26.6533, 29.0255**.

A 20% lighter version of the original color is **52.4460, 53.5901, 102.1875**, and **13.3536, 11.3890, 49.0714** is the 20% darker color. If you saturate the color by 10%, you get **26.7552, 22.4140, 89.3030**, and if you desaturate by 10%, it is **37.6985, 35.9214, 91.3334**.

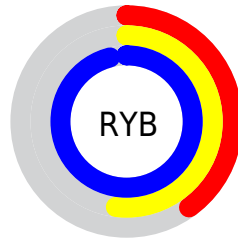
Distribution



Red (40%)

Green (55%)

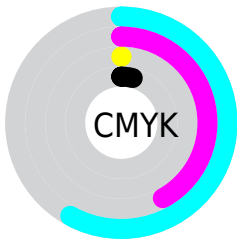
Blue (96%)



Red (40%)

Yellow (52%)

Blue (96%)

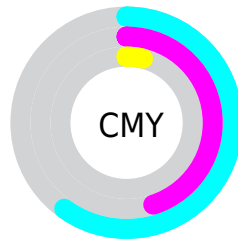


Cyan (58%)

Magenta (42%)

Yellow (0%)

Black (4%)



Cyan (60%)

Magenta (45%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5998, 28.5259, 90.2268 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 31.5998, 28.5259, 90.2268 by changing the saturation by 10% instead.

■ 31.5998, 28.5259,
90.2268

■ 31.5998, 28.5259,
90.2268

301.0699,
294.9714, 549.3575

■ 21.2101, 18.7225,
67.5940

■ 61.5526, 57.3230,
149.5917

■ 13.3910, 11.4699,
49.1029

■ 81.8464, 77.0854,
187.1608

■ 7.7772, 6.3838,
34.3349

■ 106.1723,
100.9363, 230.5458

■ 4.0033, 3.0799,
22.8716

134.8955,
129.2600, 280.1652

■ 1.7040, 1.1736,
14.2943

168.3816,
162.4410, 336.4375

■ 0.4588, 0.0400,
8.1846

206.9958,

■ 0.0000, 0.0000,

200.8637, 399.7813

4.1238

251.1034,
244.9123, 470.6151

■ 0.0000, 0.0000,
1.6935

■ 0.0000, 0.0000,
0.3563

■ 31.5998, 28.5259,
90.2268

■ 31.5998, 28.5259,
90.2268

■ 26.7552, 22.4140,
89.3030

■ 37.6985, 35.9214,
91.3334

■ 23.0663, 17.5033,
88.5496

■ 45.1322, 44.6697,
92.6302

■ 20.4246, 13.7050,
87.9557

■ 53.9790, 54.8381,
94.1267

■ 18.6862, 10.9088,
87.5076

■ 64.3095, 66.4885,
95.8309

■ 18.4040, 10.4375,
87.4315

■ 76.1898, 79.6789,
97.7508

■ 89.6815, 94.4640,
99.8935

■ 93.4816, 99.3726,
100.6407

Harmonies

Analogous

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



23.9867, 28.5259, 91.8060



31.5998, 28.5259, 90.2268



39.1966, 28.5259, 68.9021

Triad

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



31.5998, 28.5259, 90.2268



38.2635, 28.5259, 9.4756



15.2770, 28.5259, 22.6397

Complementary

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



31.5998, 28.5259, 90.2268



62.4192, 65.0205, 22.0941

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.



17.8094, 28.5259, 10.4629



31.5998, 28.5259, 90.2268



30.4998, 28.5259, 5.5982

Square

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



31.5998, 28.5259, 90.2268



43.5071, 28.5259, 20.3877



23.0724, 28.5259, 5.8479



15.4614, 28.5259, 44.9266

Rectangle

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



31.5998, 28.5259, 90.2268



42.8104, 28.5259, 50.2679



23.0724, 28.5259, 5.8479



15.8155, 28.5259, 17.4991

Sweetspot

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



31.6010, 28.5268, 90.2275



71.5550, 74.0739, 105.1341



49.2385, 72.5859, 69.0270



14.7927, 15.2698, 22.4176



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.



31.6010, 28.5268, 90.2275



28.3111, 23.2584, 97.6049



31.1277, 21.3441, 88.8661



15.9418, 16.6479, 20.9157



10.0114, 5.8166, 47.1331



0.9612, 0.6737, 4.1696

Inverse Universe

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



47.3152, 31.0376, 28.6970



47.5138, 27.9600, 22.0487



62.9015, 80.6163, 25.0790



16.6812, 16.5553, 18.0679



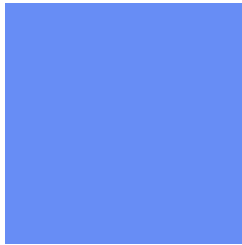
20.8578, 10.6866, 3.9596



1.8742, 0.9556, 0.5640

Previews

White Background



This preview shows how the XYZ color 31.5998, 28.5259, 90.2268 looks on a white background.

Color Contrast Check

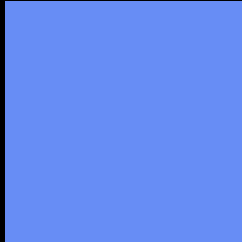
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5998, 28.5259, 90.2268 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 31.5998, 28.5259, 90.2268

Background



This preview shows how black text looks on a background with the XYZ color 31.5998, 28.5259, 90.2268.



This preview shows how white text looks on a background with the XYZ color 31.5998, 28.5259,

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

31.5998, 28.5259, 90.2268

Protanopia

31.3731, 28.4090, 90.2161

Deuteranopia

29.5885, 28.6259, 89.5538



Tritanopia

21.9852, 28.3939, 42.3520

Trichromacy



Original Color

31.5998, 28.5259, 90.2268

Protanomaly

31.4858, 28.4671, 90.2214

Deuteranomaly

30.1401, 28.4566, 89.4921

Tritanomaly

24.7119, 28.0034, 56.9261

Monochromacy



Original Color

31.5998, 28.5259, 90.2268

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.4140, 26.8165, 46.4318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5998, 28.5259, 90.2268 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(103, 141, 245)` looks like.

```
.text, #text, p{  
    color:rgb(103, 141, 245)  
}
```

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(103, 141, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 141, 245) }
```

Border

The CSS property to change the border of an element to XYZ 31.5998, 28.5259, 90.2268 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(103, 141, 245) }
```


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

```
.border{ border-color:rgb(103, 141, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 141, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 141, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 141, 245);  
box-shadow:4px 4px 4px 4px rgb(103, 141,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5998, 28.5259, 90.2268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 141, 245) }
```

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

```
.background{ background-color: rgb(103,  
141, 245) }
```

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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