

Converting Colors

XYZ(31.0163, 29.0806, 89.4690)

Have a look what the booklet for
XYZ(31.0163, 29.0806, 89.4690)
contains.

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Color

**XYZ(31.0706, 29.1621,
89.5792)**

Conversions

Conversions Part 1

Format	Color
Hex	5E91F4
RGB	94, 145, 244
RGB Percent	37%, 57%, 96%
CMY	0.6313, 0.4314, 0.0431
CMYK	0.61, 0.41, 0.00, 0.04
HSL	220°, 87%, 66%
HSV	220°, 61%, 96%
XYZ	31.0706, 29.1621, 89.5792
YIQ	141.0370, -62.1750, 19.9770

Conversions

Conversions Part 2

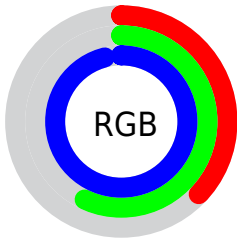
Format	Color
R _Y B	94, 132, 244
Decimal	6197748
CIE Lab	60.92, 12.86, -54.78
CIE LCh	61, 56.266, 283.216
Yxy	29.1621, 0.2074, 0.1947
Android (android.graphics.Color)	4284387828 (0xFF5E91F4)
YUV	141.0370, 50.7608, -41.2514
Hunter-Lab	54.0019, 8.1985, -60.5497

Details

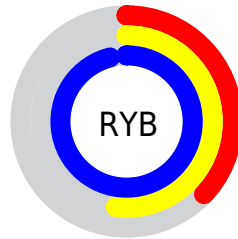
The XYZ color **31.0706, 29.1621, 89.5792** is a light color, and the websafe version is hex **6699FF**. The color can be described as light muted azure. A complement of this color would be **58.4008, 58.1847, 18.7443**, and the grayscale version is **25.1580, 26.4682, 28.8238**.

A 20% lighter version of the original color is **51.7617, 54.5767, 102.4140**, and **13.0618, 11.7723, 48.5976** is the 20% darker color. If you saturate the color by 10%, you get **26.6635, 23.4926, 88.7178**, and if you desaturate by 10%, it is **36.6194, 35.9387, 90.5954**.

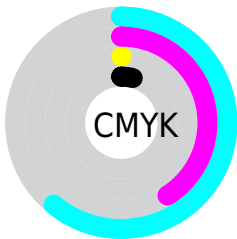
Distribution



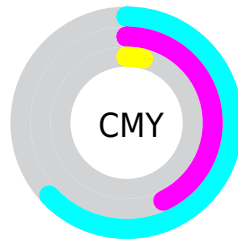
- Red (37%)
- Green (57%)
- Blue (96%)



- Red (37%)
- Yellow (52%)
- Blue (96%)



- Cyan (61%)
- Magenta (41%)
- Yellow (0%)
- Black (4%)



- Cyan (63%)
- Magenta (43%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0706, 29.1621, 89.5792 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 31.0706, 29.1621, 89.5792 by changing the saturation by 10% instead.

■ 31.0706, 29.1621,
89.5792

■ 31.0706, 29.1621,
89.5792

298.6845,
297.9790, 547.1958

■ 20.8047, 19.2035,
67.0599

■ 60.7263, 58.3345,
148.6842

■ 13.0930, 11.8174,
48.6714

■ 80.8468, 78.3171,
186.1069

■ 7.5700, 6.6195,
33.9952

■ 104.9829,
102.4099, 229.3346

■ 3.8706, 3.2253,
22.6125

■ 133.4999,
130.9971, 278.7858

■ 1.6292, 1.2504,
14.1051

166.7632,
164.4632, 334.8789

■ 0.4113, 0.1023,
8.0542

205.1382,

■ 0.0000, 0.0000,

203.1927, 398.0326

4.0414

248.9902,
247.5698, 468.6654

■ 0.0000, 0.0000,
1.6481

■ 0.0000, 0.0000,
0.3248

■ 31.0706, 29.1621,
89.5792

■ 31.0706, 29.1621,
89.5792

■ 26.6635, 23.4926,
88.7178

■ 36.6194, 35.9387,
90.5954

■ 23.3026, 18.8582,
88.0004

■ 43.3876, 43.8819,
91.7719

■ 20.8803, 15.1808,
87.4182

■ 51.4494, 53.0495,
93.1165

■ 19.4190, 12.7111,
87.0186

■ 60.8721, 63.4945,
94.6359

■ 71.7180, 75.2666,
96.3365

■ 84.0453, 88.4126,
98.2243

■ 93.3293, 99.3117,
99.8387

Harmonies

Analogous

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



23.8395, 29.1621, 88.2855



31.0706, 29.1621, 89.5792



38.5463, 29.1621, 71.2477

Triad

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



31.0706, 29.1621, 89.5792



39.3254, 29.1621, 11.3406



16.2841, 29.1621, 21.4544

Complementary

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



31.0706, 29.1621, 89.5792



58.4008, 58.1847, 18.7443

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.



19.1346, 29.1621, 10.4685



31.0706, 29.1621, 89.5792



31.9952, 29.1621, 6.6492

Square

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



31.0706, 29.1621, 89.5792



43.8490, 29.1621, 23.3804



24.6151, 29.1621, 6.4223



16.1251, 29.1621, 41.9171

Rectangle

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



31.0706, 29.1621, 89.5792



42.3192, 29.1621, 53.6663



24.6151, 29.1621, 6.4223



16.9328, 29.1621, 16.8015

Sweetspot

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



31.0718, 29.1630, 89.5799



71.2183, 74.4808, 105.2304



46.4273, 70.8657, 60.8126



14.5255, 15.1578, 22.4101



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.



31.0718, 29.1630, 89.5799



28.3600, 24.4747, 97.8371



27.6027, 18.2864, 87.6634



16.0416, 16.8476, 20.9490



10.6723, 7.1383, 47.3534



1.0295, 0.8103, 4.1924

Inverse Universe

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



46.4229, 29.2844, 29.9944



47.2655, 26.8155, 23.9636



64.3435, 80.9612, 22.8274



16.7316, 16.5755, 18.3332



21.1914, 10.8200, 5.7162



1.9087, 0.9694, 0.7455

Previews

White Background



This preview shows how the XYZ color 31.0706, 29.1621, 89.5792 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 31.0706, 29.1621, 89.5792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

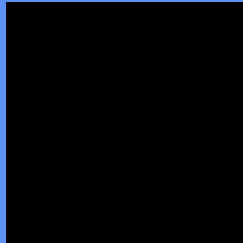
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

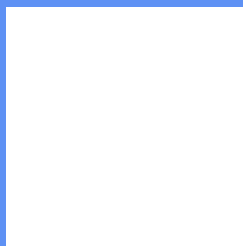
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0706, 29.1621, 89.5792

Background



This preview shows how black text looks on a background with the XYZ color 31.0706, 29.1621, 89.5792.



This preview shows how white text looks on a background with the XYZ color 31.0706, 29.1621,

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

31.0706, 29.1621, 89.5792

Protanopia

31.7933, 29.1199, 87.9494

Deuteranopia

30.0047, 29.0878, 88.8271



Tritanopia

21.9771, 29.1194, 43.9975

Trichromacy



Original Color

31.0706, 29.1621, 89.5792

Protanomaly

31.6304, 29.2424, 88.7713

Deuteranomaly

30.2943, 29.0073, 88.7963

Tritanomaly

24.7026, 28.9439, 58.3176

Monochromacy



Original Color

31.0706, 29.1621, 89.5792

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.0211, 26.8454, 45.9297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0706, 29.1621, 89.5792 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(94, 145, 244)` looks like.

```
.text, #text, p{  
    color:rgb(94, 145, 244)  
}
```

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(94, 145, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 145, 244) }
```

Border

The CSS property to change the border of an element to XYZ 31.0706, 29.1621, 89.5792 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(94, 145, 244) }
```


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

```
.border{ border-color:rgb(94, 145, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 145, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 145, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 145, 244);  
box-shadow:4px 4px 4px 4px rgb(94, 145,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0706, 29.1621, 89.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 145, 244) }
```

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

```
.background{ background-color: rgb(94, 145,  
244) }
```

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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