

Converting Colors

XYZ(31.7643, 29.2553, 92.7822)

Have a look what the booklet for
XYZ(31.7643, 29.2553, 92.7822)
contains.

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Color

**XYZ(31.7404, 29.2106,
92.7723)**

Conversions

Conversions Part 1

Format	Color
Hex	6090F8
RGB	96, 144, 248
RGB Percent	38%, 56%, 97%
CMY	0.6235, 0.4353, 0.0274
CMYK	0.61, 0.42, 0.00, 0.03
HSL	221°, 92%, 67%
HSV	221°, 61%, 97%
XYZ	31.7404, 29.2106, 92.7723
YIQ	141.5040, -61.9920, 22.1680

Conversions

Conversions Part 2

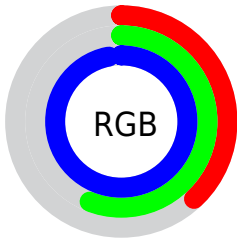
Format	Color
R _{YB}	96, 132, 248
Decimal	6328568
CIE _{Lab}	60.97, 15.14, -56.90
CIE _{LCh}	61, 58.882, 284.897
Yxy	29.2106, 0.2065, 0.1900
Android (android.graphics.Color)	4284518648 (0xFF6090F8)
YUV	141.5040, 52.5025, -39.9070
Hunter-Lab	54.0468, 10.2468, -63.9395

Details

The XYZ color **31.7404, 29.2106, 92.7723** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.4794, 62.1133, 19.8170**, and the grayscale version is **25.3341, 26.6534, 29.0256**.

A 20% lighter version of the original color is **52.1168, 54.4216, 102.3653**, and **13.4567, 11.7928, 50.8572** is the 20% darker color. If you saturate the color by 10%, you get **27.1508, 23.3119, 91.8763**, and if you desaturate by 10%, it is **37.5414, 36.3079, 93.8371**.

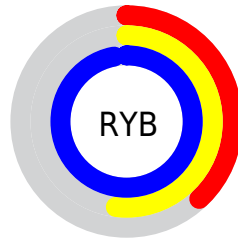
Distribution



Red (38%)

Green (56%)

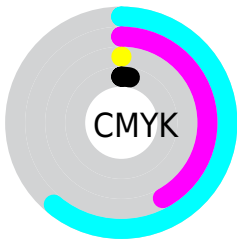
Blue (97%)



Red (38%)

Yellow (52%)

Blue (97%)

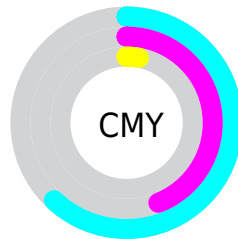


Cyan (61%)

Magenta (42%)

Yellow (0%)

Black (3%)



Cyan (62%)

Magenta (44%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7404, 29.2106, 92.7723 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 31.7404, 29.2106, 92.7723 by changing the saturation by 10% instead.

■ 31.7404, 29.2106,
92.7723

■ 31.7404, 29.2106,
92.7723

301.7013,
298.2073, 557.8095

■ 21.3179, 19.2402,
69.6957

■ 61.7718, 58.4115,
153.1523

■ 13.4703, 11.8440,
50.8032

■ 82.1115, 78.4108,
191.2927

■ 7.8324, 6.6375,
35.6764

■ 106.4875,
102.5219, 235.2915

■ 4.0388, 3.2365,
23.8966

■ 135.2653,
131.1291, 285.5672

■ 1.7241, 1.2564,
15.0455

168.8102,
164.6169, 342.5383

■ 0.4713, 0.1071,
8.7043

207.4877,

■ 0.0000, 0.0000,

203.3695, 406.6233

4.4547

251.6629,
247.7716, 478.2409

■ 0.0000, 0.0000,
1.8779

■ 0.0000, 0.0000,
0.4786

■ 31.7404, 29.2106,
92.7723

■ 31.7404, 29.2106,
92.7723

■ 27.1508, 23.3119,
91.8763

■ 37.5414, 36.3079,
93.8371

■ 23.6713, 18.5332,
91.1373

■ 44.6364, 44.6694,
95.0771

■ 21.1883, 14.7887,
90.5454

■ 53.1041, 54.3584,
96.5010

■ 19.6898, 12.2701,
90.1382

■ 63.0160, 65.4333,
98.1162

■ 74.4383, 77.9485,
99.9299

■ 87.4329, 91.9555,
101.9486

■ 93.9434, 99.5574,
103.0728

Harmonies

Analogous

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



24.0874, 29.2106, 92.6921



31.7404, 29.2106, 92.7723



39.5601, 29.2106, 72.2108

Triad

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



31.7404, 29.2106, 92.7723



39.6076, 29.2106, 10.3040



15.7973, 29.2106, 22.0004

Complementary

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



31.7404, 29.2106, 92.7723



61.4794, 62.1133, 19.8170

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.



18.5819, 29.2106, 10.2534



31.7404, 29.2106, 92.7723



31.7964, 29.2106, 5.9401

Square

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



31.7404, 29.2106, 92.7723



44.6406, 29.2106, 22.1153



24.1340, 29.2106, 5.9273



15.7878, 29.2106, 43.9787

Rectangle

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



31.7404, 29.2106, 92.7723



43.4175, 29.2106, 53.3602



24.1340, 29.2106, 5.9273



16.4132, 29.2106, 17.0128

Sweetspot

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



31.7416, 29.2115, 92.7731



70.9193, 73.8829, 105.1307



48.8025, 73.7866, 66.2339



14.4533, 15.0135, 22.3861



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.



31.7416, 29.2115, 92.7731



27.7631, 23.2808, 97.6381



29.4209, 19.4202, 91.0055



16.7303, 17.5374, 21.8886



10.7469, 6.8494, 48.7292



1.0861, 0.8159, 4.5434

Inverse Universe

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



47.9295, 30.3375, 29.7157



46.9642, 26.6949, 22.3768



65.2356, 83.2168, 23.6925



17.4704, 17.3155, 19.0668



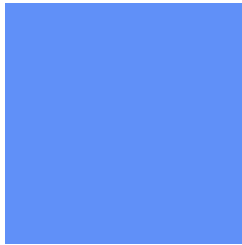
21.7166, 11.1024, 5.2159



2.0571, 1.0466, 0.7243

Previews

White Background



This preview shows how the XYZ color 31.7404, 29.2106, 92.7723 looks on a white background.

Color Contrast Check

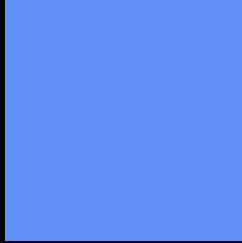
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7404, 29.2106, 92.7723 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

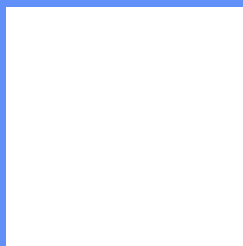
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7404, 29.2106, 92.7723

Background



This preview shows how black text looks on a background with the XYZ color 31.7404, 29.2106, 92.7723.



This preview shows how white text looks on a background with the XYZ color 31.7404, 29.2106,

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

31.7404, 29.2106, 92.7723

Protanopia

32.0905, 29.1851, 91.9376

Deuteranopia

30.2801, 29.3911, 92.0728



Tritanopia

21.9771, 29.1194, 43.9975

Trichromacy



Original Color

31.7404, 29.2106, 92.7723

Protanomaly

31.8665, 29.0696, 91.9271

Deuteranomaly

30.7895, 29.4218, 92.0519

Tritanomaly

24.7286, 28.6978, 58.8795

Monochromacy



Original Color

31.7404, 29.2106, 92.7723

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

26.6204, 27.3411, 47.5904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7404, 29.2106, 92.7723 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(96, 144, 248)` looks like.

```
.text, #text, p{  
    color:rgb(96, 144, 248)  
}
```

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(96, 144, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 144, 248) }
```

Border

The CSS property to change the border of an element to XYZ 31.7404, 29.2106, 92.7723 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(96, 144, 248) }
```


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

```
.border{ border-color:rgb(96, 144, 248) }
```

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

Here you see how a box with a 4 pixel rgb(96, 144, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 144, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 144, 248);  
box-shadow:4px 4px 4px 4px rgb(96, 144,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7404, 29.2106, 92.7723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 144, 248) }
```

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

```
.background{ background-color: rgb(96, 144,  
248) }
```

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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