

Converting Colors

XYZ(31.4316, 27.9465, 83.0944)

Have a look what the booklet for
XYZ(31.4316, 27.9465, 83.0944)
contains.

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Color

**XYZ(31.4313, 27.9461,
83.0944)**

Conversions

Conversions Part 1

Format	Color
Hex	748AEC
RGB	116, 138, 236
RGB Percent	45%, 54%, 93%
CMY	0.5451, 0.4588, 0.0745
CMYK	0.51, 0.42, 0.00, 0.07
HSL	229°, 76%, 69%
HSV	229°, 51%, 93%
XYZ	31.4313, 27.9461, 83.0944
YIQ	142.5940, -44.5700, 25.8140

Conversions

Conversions Part 2

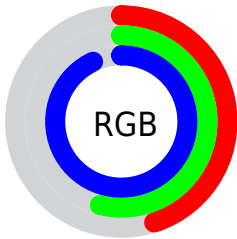
Format	Color
RYB	116, 135, 236
Decimal	7637740
CIELab	59.84, 18.87, -52.01
CIELCh	60, 55.326, 289.938
Yxy	27.9461, 0.2206, 0.1962
Android (android.graphics.Color)	4285827820 (0xFF748AEC)
YUV	142.5940, 46.0492, -23.3229
Hunter-Lab	52.8641, 13.6183, -56.1901

Details

The XYZ color **31.4313, 27.9461, 83.0944** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.7929, 67.1897, 26.2369**, and the grayscale version is **25.7832, 27.1260, 29.5402**.

A 20% lighter version of the original color is **54.1364, 53.4803, 102.0772**, and **13.3861, 11.2523, 44.6464** is the 20% darker color. If you saturate the color by 10%, you get **26.1592, 21.4814, 82.1250**, and if you desaturate by 10%, it is **37.9931, 35.8048, 84.2660**.

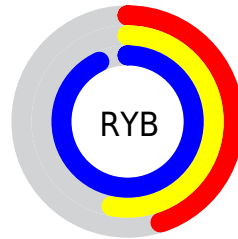
Distribution



Red (45%)

Green (54%)

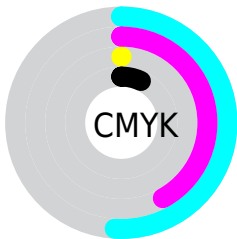
Blue (93%)



Red (45%)

Yellow (53%)

Blue (93%)

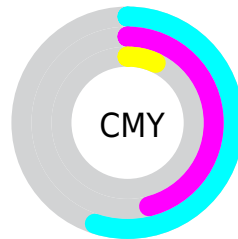


Cyan (51%)

Magenta (42%)

Yellow (0%)

Black (7%)



Cyan (55%)

Magenta (46%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4313, 27.9461, 83.0944 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 31.4313, 27.9461, 83.0944 by changing the saturation by 10% instead.

■ 31.4313, 27.9461,
83.0944

■ 31.4313, 27.9461,
83.0944

300.3119,
292.2093, 525.2803

■ 21.0809, 18.2850,
61.7270

■ 61.2897, 56.3984,
139.5581

■ 13.2960, 11.1548,
44.3778

■ 81.5285, 75.9584,
175.4914

■ 7.7111, 6.1711,
30.6282

■ 105.7940, 99.5868,
217.1171

■ 3.9609, 2.9494,
20.0598

134.4518,
127.6681, 264.8538

■ 1.6800, 1.1054,
12.2540

167.8671,
160.5865, 319.1199

■ 0.4437, 0.0000,
6.7923

206.4054,

■ 0.0000, 0.0000,

198.7266, 380.3340

3.2561

250.4318,
242.4728, 448.9146

■ 0.0000, 0.0000,
1.2268

■ 0.0000, 0.0000,
0.0007

■ 31.4313, 27.9461,
83.0944

■ 31.4313, 27.9461,
83.0944

■ 26.1592, 21.4814,
82.1250

■ 37.9931, 35.8048,
84.2660

■ 22.0859, 16.3242,
81.3443

■ 45.9203, 45.1312,
85.6484

■ 19.1135, 12.3824,
80.7401

■ 55.2868, 55.9970,
87.2520

■ 17.1264, 9.5497,
80.2981

■ 66.1600, 68.4683,
89.0861

■ 16.0138, 7.8029,
80.0195

■ 78.6030, 82.6073,
91.1594

■ 91.7100, 97.9753,
93.4349

■ 92.1404, 98.8362,
93.5784

Harmonies

Analogous

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



24.2746, 27.9461, 86.5021



31.4313, 27.9461, 83.0944



38.2784, 27.9461, 62.6720

Triad

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



31.4313, 27.9461, 83.0944



36.2219, 27.9461, 9.4071



15.3729, 27.9461, 24.1668

Complementary

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



31.4313, 27.9461, 83.0944



61.7929, 67.1897, 26.2369

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.



17.5194, 27.9461, 11.7246



31.4313, 27.9461, 83.0944



28.9886, 27.9461, 6.0419

Square

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



31.4313, 27.9461, 83.0944



41.3641, 27.9461, 19.0667



22.2234, 27.9461, 6.6467



15.7940, 27.9461, 45.5910

Rectangle

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



31.4313, 27.9461, 83.0944



41.3506, 27.9461, 45.6943



22.2234, 27.9461, 6.6467



15.8011, 27.9461, 19.0090

Sweetspot

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



31.4324, 27.9471, 83.0951



73.1826, 75.1166, 105.2496



49.3367, 68.5599, 74.2525



15.0792, 15.4069, 22.4290



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.



31.4324, 27.9471, 83.0951



30.9593, 25.3268, 97.8646



34.7138, 25.4188, 82.4341



14.4545, 14.9955, 19.0548



8.8947, 4.4364, 44.1305



0.7619, 0.4752, 3.4864

Inverse Universe

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



45.4260, 32.1602, 27.8588



49.6385, 31.8267, 23.9364



56.4377, 73.2585, 27.6905



15.1782, 15.0991, 16.2239



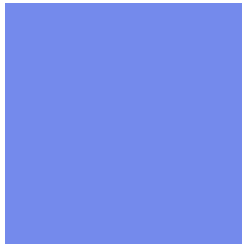
19.3449, 9.9407, 2.3518



1.5511, 0.7934, 0.3533

Previews

White Background



This preview shows how the XYZ color 31.4313, 27.9461, 83.0944 looks on a white background.

Color Contrast Check

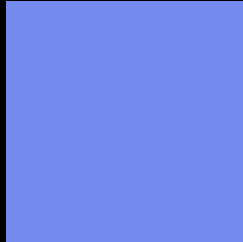
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4313, 27.9461, 83.0944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

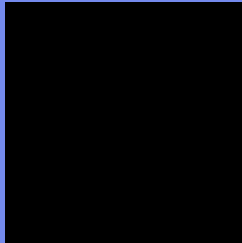
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4313, 27.9461, 83.0944

Background



This preview shows how black text looks on a background with the XYZ color 31.4313, 27.9461, 83.0944.



This preview shows how white text looks on a background with the XYZ color 31.4313, 27.9461,

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

31.4313, 27.9461, 83.0944

Protanopia

30.5196, 27.8723, 84.6602

Deuteranopia

28.8991, 27.9709, 82.4730



Tritanopia

22.7884, 27.8628, 40.2534

Trichromacy



Original Color

31.4313, 27.9461, 83.0944

Protanomaly

30.7030, 27.7678, 83.8623

Deuteranomaly

29.7054, 27.9408, 82.4247

Tritanomaly

25.3607, 27.7081, 53.3018

Monochromacy



Original Color

31.4313, 27.9461, 83.0944

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.1336, 27.2106, 45.4171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4313, 27.9461, 83.0944 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(116, 138, 236)` looks like.

```
.text, #text, p{  
    color:rgb(116, 138, 236)  
}
```

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(116, 138, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 138, 236) }
```

Border

The CSS property to change the border of an element to XYZ 31.4313, 27.9461, 83.0944 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(116, 138, 236) }
```


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

```
.border{ border-color:rgb(116, 138, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 138, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 138, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 138, 236);  
box-shadow:4px 4px 4px 4px rgb(116, 138,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4313, 27.9461, 83.0944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 138, 236) }
```

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

```
.background{ background-color: rgb(116,  
138, 236) }
```

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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