

Converting Colors

XYZ(31.3407, 24.8111, 97.7449)

Have a look what the booklet for
XYZ(31.3407, 24.8111, 97.7449)
contains.

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Color

**XYZ(31.3211, 24.7611,
97.7363)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7CFF
RGB	107, 124, 255
RGB Percent	42%, 49%, 100%
CMY	0.5804, 0.5137, 0.0000
CMYK	0.58, 0.51, 0.00, 0.00
HSL	233°, 100%, 71%
HSV	233°, 58%, 100%
XYZ	31.3211, 24.7611, 97.7363
YIQ	133.8510, -52.1830, 37.1370

Conversions

Conversions Part 2

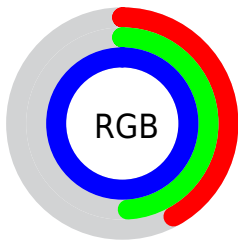
Format	Color
RYB	107, 122, 255
Decimal	7044351
CIELab	56.84, 31.38, -67.34
CIElCh	57, 74.293, 294.989
Yxy	24.7611, 0.2036, 0.1610
Android (android.graphics.Color)	4285234431 (0xFF6B7CFF)
YUV	133.8510, 59.7265, -23.5483
Hunter-Lab	49.7605, 25.2735, -81.6211

Details

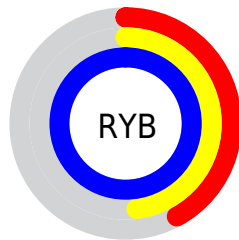
The XYZ color **31.3211, 24.7611, 97.7363** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **74.4709, 83.4750, 26.0994**, and the grayscale version is **22.4081, 23.5750, 25.6732**.

A 20% lighter version of the original color is **49.9375, 46.7057, 100.9908**, and **13.2276, 9.4914, 53.9582** is the 20% darker color. If you saturate the color by 10%, you get **26.1825, 18.3827, 96.7760**, and if you desaturate by 10%, it is **38.0128, 32.9014, 98.9549**.

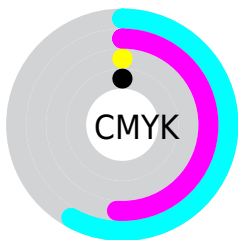
Distribution



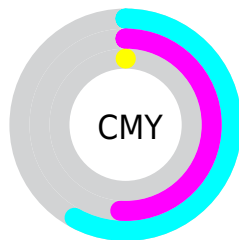
- Red (42%)
- Green (49%)
- Blue (100%)



- Red (42%)
- Yellow (48%)
- Blue (100%)



- Cyan (58%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3211, 24.7611, 97.7363 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 31.3211, 24.7611, 97.7363 by changing the saturation by 10% instead.

■ 31.3211, 24.7611,
97.7363

■ 31.3211, 24.7611,
97.7363

299.8154,
276.6461, 574.0949

■ 20.9965, 15.8992,
73.8051

■ 61.1177, 51.2694,
160.0675

■ 13.2339, 9.4528,
54.1387

■ 81.3204, 69.6845,
199.3045

■ 7.6679, 5.0377,
38.3186

■ 105.5464, 92.0529,
244.4806

■ 3.9332, 2.2694,
25.9263

134.1613,
118.7588, 296.0142

■ 1.6644, 0.7574,
16.5433

167.5303,
150.1866, 354.3239

■ 0.4338, 0.0000,
9.7509

206.0187,

■ 0.0000, 0.0000,

186.7209, 419.8282

5.1307

249.9920,
228.7459, 492.9457

■ 0.0000, 0.0000,
2.2641

■ 0.0000, 0.0000,
0.7110

■ 31.3211, 24.7611,
97.7363

■ 31.3211, 24.7611,
97.7363

■ 26.1825, 18.3827,
96.7760

■ 38.0128, 32.9014,
98.9549

■ 22.4670, 13.6323,
96.0549

■ 46.3671, 42.9198,
100.4483

■ 20.0284, 10.3598,
95.5518

■ 56.4871, 54.9248,
102.2321

■ 18.6765, 8.3800,
95.2409

■ 68.4665, 69.0160,
104.3206

■ 18.4963, 8.1125,
95.1988

■ 82.3927, 85.2864,
106.7271

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



22.1053, 24.7611, 108.2286



31.3211, 24.7611, 97.7363



40.0411, 24.7611, 64.7826

Triad

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



31.3211, 24.7611, 97.7363



34.4800, 24.7611, 3.6932



10.5068, 24.7611, 22.9934

Complementary

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



31.3211, 24.7611, 97.7363



74.4709, 83.4750, 26.0994

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.



12.3320, 24.7611, 7.7723



31.3211, 24.7611, 97.7363



25.0244, 24.7611, 1.8678

Square

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



31.3211, 24.7611, 97.7363



42.1571, 24.7611, 11.3788



17.1592, 24.7611, 2.6902



11.4076, 24.7611, 52.6443

Rectangle

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



31.3211, 24.7611, 97.7363



43.6399, 24.7611, 41.3490



17.1592, 24.7611, 2.6902



10.8053, 24.7611, 16.3698

Sweetspot

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



31.3221, 24.7618, 97.7364



69.8175, 70.5990, 104.5549



57.2180, 80.8037, 93.2654



14.3872, 14.4586, 22.2825



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.



31.3221, 24.7618, 97.7364



25.3447, 17.3257, 96.6161



38.5644, 25.6018, 97.5168



17.1709, 17.7135, 22.7640



9.7177, 4.3449, 49.7611



0.9978, 0.5262, 4.8623

Inverse Universe

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



50.1367, 33.2323, 22.8410



46.0165, 27.3610, 14.1641



61.7741, 84.6242, 26.9904



18.0942, 18.0210, 19.1131



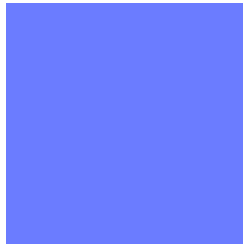
21.6932, 11.1666, 1.7690



2.1382, 1.0977, 0.3094

Previews

White Background



This preview shows how the XYZ color 31.3211, 24.7611, 97.7363 looks on a white background.

Color Contrast Check

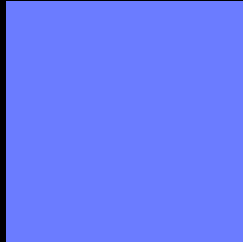
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3211, 24.7611, 97.7363 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 31.3211, 24.7611, 97.7363

Background



This preview shows how black text looks on a background with the XYZ color 31.3211, 24.7611, 97.7363.

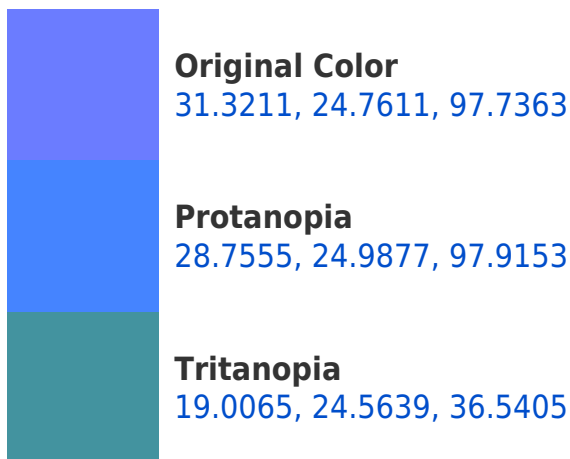


This preview shows how white text looks on a background with the XYZ color 31.3211, 24.7611,

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



Trichromacy



Original Color

31.3211, 24.7611, 97.7363

Protanomaly

29.4675, 24.7595, 97.8337

Tritanomaly

22.4499, 24.1541, 54.5179

Monochromacy



Original Color

31.3211, 24.7611, 97.7363

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.3307, 23.4647, 45.3663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3211, 24.7611, 97.7363 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(107, 124, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 124, 255)  
}
```

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(107, 124, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 124, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.3211, 24.7611, 97.7363 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(107, 124, 255) }
```

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

```
.border{ border-color:rgb(107, 124, 255) }
```

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

Here you see how a box with a 4 pixel rgb(107, 124, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 124, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 124, 255);  
box-shadow:4px 4px 4px 4px rgb(107, 124,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 31.3211, 24.7611, 97.7363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 124, 255) }
```

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

```
.background{ background-color: rgb(107,  
124, 255) }
```

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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