

Converting Colors

XYZ(44.8502, 31.0080,
167.6155)

Have a look what the booklet for
XYZ(44.8502, 31.0080, 167.6155)
contains.

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Color

**XYZ(31.5949, 25.6616,
97.8957)**

Conversions

Conversions Part 1

Format	Color
Hex	6980FF
RGB	105, 128, 255
RGB Percent	41%, 50%, 100%
CMY	0.5882, 0.4980, 0.0000
CMYK	0.59, 0.50, 0.00, 0.00
HSL	231°, 100%, 71%
HSV	231°, 59%, 100%
XYZ	31.5949, 25.6616, 97.8957
YIQ	135.6010, -54.4750, 34.6210

Conversions

Conversions Part 2

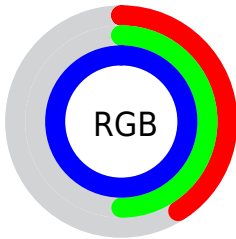
Format	Color
RYB	105, 125, 255
Decimal	6914303
CIELab	57.71, 28.63, -65.94
CIELCh	58, 71.885, 293.468
Yxy	25.6616, 0.2036, 0.1654
Android (android.graphics.Color)	4285104383 (0xFF6980FF)
YUV	135.6010, 58.8637, -26.8371
Hunter-Lab	50.6573, 22.6801, -79.1184

Details

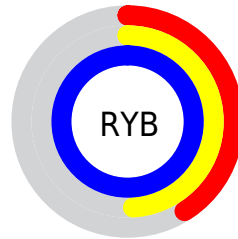
The XYZ color **31.5949, 25.6616, 97.8957** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **72.6488, 79.9973, 24.9788**, and the grayscale version is **23.0559, 24.2566, 26.4154**.

A 20% lighter version of the original color is **50.5102, 48.4832, 101.3038**, and **13.3260, 9.8562, 54.0234** is the 20% darker color. If you saturate the color by 10%, you get **26.5133, 19.2969, 96.9350**, and if you desaturate by 10%, it is **38.1754, 33.6888, 99.0983**.

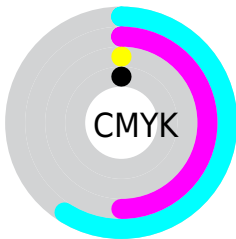
Distribution



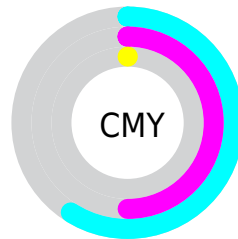
- Red (41%)
- Green (50%)
- Blue (100%)



- Red (41%)
- Yellow (49%)
- Blue (100%)



- Cyan (59%)
- Magenta (50%)
- Yellow (0%)
- Black (0%)



- Cyan (59%)
- Magenta (50%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5949, 25.6616, 97.8957 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 31.5949, 25.6616, 97.8957 by changing the saturation by 10% instead.

■ 31.5949, 25.6616,
97.8957

■ 31.5949, 25.6616,
97.8957

301.0479,
281.1169, 574.6137

■ 21.2063, 16.5707,
73.9373

■ 61.5450, 52.7285,
160.2889

■ 13.3882, 9.9289,
54.2462

■ 81.8372, 71.4733,
199.5608

■ 7.7752, 5.3518,
38.4040

■ 106.1613, 94.2048,
244.7743

■ 4.0021, 2.4551,
25.9922

134.8826,
121.3074, 296.3478

■ 1.7033, 0.8540,
16.5921

168.3666,
153.1655, 354.7000

■ 0.4583, 0.0000,
9.7852

206.9786,

■ 0.0000, 0.0000,

190.1635, 420.2493

5.1530

251.0839,
232.6859, 493.4144

■ 0.0000, 0.0000,
2.2770

■ 0.0000, 0.0000,
0.7183

■ 31.5949, 25.6616,
97.8957

■ 31.5949, 25.6616,
97.8957

■ 26.5133, 19.2969,
96.9350

■ 38.1754, 33.6888,
99.0983

■ 22.8060, 14.4730,
96.1993

■ 46.3594, 43.4837,
100.5575

■ 20.3331, 11.0544,
95.6698

■ 56.2454, 55.1453,
102.2874

■ 18.9028, 8.8697,
95.3235

■ 67.9234, 68.7646,
104.3007

■ 18.7785, 8.6770,
95.2928

■ 81.4767, 84.4265,
106.6094

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.



22.5553, 25.6616, 106.4709



31.5949, 25.6616, 97.8957



40.2572, 25.6616, 66.7325

Triad

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



31.5949, 25.6616, 97.8957



35.6319, 25.6616, 4.5361



11.3634, 25.6616, 22.8871

Complementary

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



31.5949, 25.6616, 97.8957



72.6488, 79.9973, 24.9788

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.



13.3603, 25.6616, 8.1544



31.5949, 25.6616, 97.8957



26.3228, 25.6616, 2.3489

Square

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



31.5949, 25.6616, 97.8957



42.9452, 25.6616, 12.9940



18.3742, 25.6616, 3.1129



12.1387, 25.6616, 51.3936

Rectangle

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



31.5949, 25.6616, 97.8957



43.9516, 25.6616, 43.7201



18.3742, 25.6616, 3.1129



11.7137, 25.6616, 16.5049

Sweetspot

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



31.5959, 25.6623, 97.8958



68.9636, 69.9715, 104.4788



55.8698, 80.2370, 87.4065



13.9835, 14.0738, 22.2295



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.



31.5959, 25.6623, 97.8958



25.5925, 18.1185, 96.7561



36.6210, 24.2939, 97.3668



17.2278, 17.8271, 22.7829



9.8787, 4.6670, 49.8147



1.0244, 0.5795, 4.8711

Inverse Universe

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



50.1887, 32.9233, 24.1320



46.0691, 27.1043, 15.2971



63.4878, 85.5196, 26.5275



18.1229, 18.0325, 19.2641



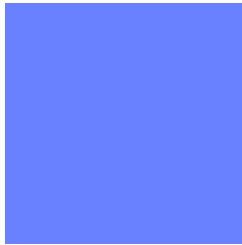
21.7745, 11.1991, 2.1971



2.1517, 1.1030, 0.3801

Previews

White Background



This preview shows how the XYZ color 31.5949, 25.6616, 97.8957 looks on a white background.

Color Contrast Check

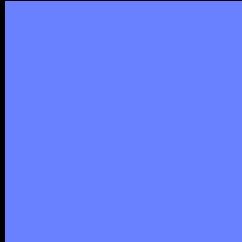
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.5949, 25.6616, 97.8957 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 31.5949, 25.6616, 97.8957

Background



This preview shows how black text looks on a background with the XYZ color 31.5949, 25.6616, 97.8957.



This preview shows how white text looks on a background with the XYZ color 31.5949, 25.6616,

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

31.5949, 25.6616, 97.8957

Protanopia

29.4767, 25.7661, 98.0275

Deuteranopia

26.6238, 25.8893, 93.2164



Tritanopia

19.6079, 25.5451, 38.0797

Trichromacy



Original Color

31.5949, 25.6616, 97.8957

Protanomaly

30.1390, 25.7010, 97.9800

Deuteranomaly

27.0161, 24.9854, 94.6656

Tritanomaly

22.9451, 25.0370, 55.8478

Monochromacy



Original Color

31.5949, 25.6616, 97.8957

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.9817, 24.3897, 46.0388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5949, 25.6616, 97.8957 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(105, 128, 255)` looks like.

```
.text, #text, p{  
    color:rgb(105, 128, 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(105, 128, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 128, 255) }
```

Border

The CSS property to change the border of an element to XYZ 31.5949, 25.6616, 97.8957 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(105, 128, 255) }
```


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

```
.border{ border-color:rgb(105, 128, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 128, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 128, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 128, 255);  
box-shadow:4px 4px 4px 4px rgb(105, 128,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5949, 25.6616, 97.8957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 128, 255) }
```

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

```
.background{ background-color: rgb(105,  
128, 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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