

Converting Colors

XYZ(30.9061, 24.7980, 97.7653)

Have a look what the booklet for
XYZ(30.9061, 24.7980, 97.7653)
contains.

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Color

**XYZ(30.8631, 24.7120,
97.7510)**

Conversions

Conversions Part 1

Format	Color
Hex	667DFF
RGB	102, 125, 255
RGB Percent	40%, 49%, 100%
CMY	0.6000, 0.5098, 0.0000
CMYK	0.60, 0.51, 0.00, 0.00
HSL	231°, 100%, 70%
HSV	231°, 60%, 100%
XYZ	30.8631, 24.7120, 97.7510
YIQ	132.9430, -55.4380, 35.5540

Conversions

Conversions Part 2

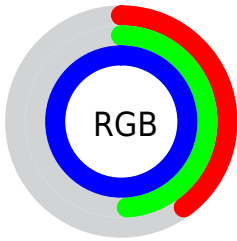
Format	Color
RYB	102, 122, 255
Decimal	6716927
CIELab	56.79, 29.90, -67.43
CIElCh	57, 73.763, 293.913
Yxy	24.7120, 0.2013, 0.1612
Android (android.graphics.Color)	4284907007 (0xFF667DFF)
YUV	132.9430, 60.1741, -27.1370
Hunter-Lab	49.7112, 23.8269, -81.7888

Details

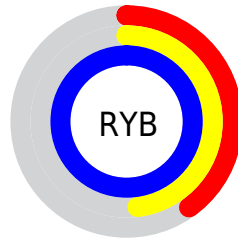
The XYZ color **30.8631, 24.7120, 97.7510** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **72.4973, 79.9367, 24.1808**, and the grayscale version is **22.0774, 23.2271, 25.2943**.

A 20% lighter version of the original color is **49.0820, 46.5568, 101.0072**, and **12.9631, 9.4581, 53.9657** is the 20% darker color. If you saturate the color by 10%, you get **25.9545, 18.5443, 96.8192**, and if you desaturate by 10%, it is **37.2605, 32.5356, 98.9239**.

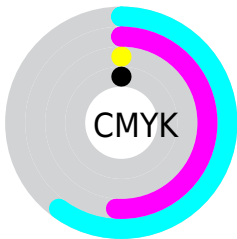
Distribution



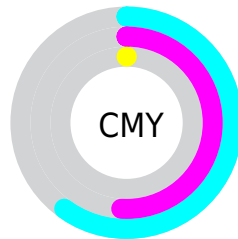
- Red (40%)
- Green (49%)
- Blue (100%)



- Red (40%)
- Yellow (48%)
- Blue (100%)



- Cyan (60%)
- Magenta (51%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (51%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8631, 24.7120, 97.7510 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 30.8631, 24.7120, 97.7510 by changing the saturation by 10% instead.

■ 30.8631, 24.7120,
97.7510

■ 30.8631, 24.7120,
97.7510

297.7453,
276.4006, 574.1428

■ 20.6459, 15.8626,
73.8173

■ 60.4018, 51.1896,
160.0879

■ 12.9764, 9.4270,
54.1486

■ 80.4540, 69.5866,
199.3282

■ 7.4892, 5.0207,
38.3265

■ 104.5153, 91.9350,
244.5077

■ 3.8189, 2.2594,
25.9324

132.9510,
118.6191, 296.0449

■ 1.6002, 0.7521,
16.5478

166.1265,
150.0233, 354.3586

■ 0.3925, 0.0000,
9.7540

204.4072,

■ 0.0000, 0.0000,

186.5320, 419.8670

5.1327

248.1583,
228.5297, 492.9889

■ 0.0000, 0.0000,
2.2652

■ 0.0000, 0.0000,
0.7117

■ 30.8631, 24.7120,
97.7510

■ 30.8631, 24.7120,
97.7510

■ 25.9545, 18.5443,
96.8192

■ 37.2605, 32.5356,
98.9239

■ 22.4078, 13.9083,
96.1113

■ 45.2532, 42.1226,
100.3531

■ 20.0793, 10.6647,
95.6079

■ 54.9412, 53.5737,
102.0528

■ 18.7538, 8.6275,
95.2846

■ 66.4155, 66.9814,
104.0360

■ 18.7535, 8.6270,
95.2845

■ 79.7605, 82.4317,
106.3148

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.



21.7750, 24.7120, 107.0216



30.8631, 24.7120, 97.7510



39.5793, 24.7120, 65.6404

Triad

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



30.8631, 24.7120, 97.7510



34.6586, 24.7120, 3.8945



10.5666, 24.7120, 22.1838

Complementary

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



30.8631, 24.7120, 97.7510



72.4973, 79.9367, 24.1808

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.



12.4833, 24.7120, 7.5206



30.8631, 24.7120, 97.7510



25.2886, 24.7120, 1.9313

Square

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



30.8631, 24.7120, 97.7510



42.1190, 24.7120, 11.8940



17.3927, 24.7120, 2.6659



11.3660, 24.7120, 51.0834

Rectangle

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



30.8631, 24.7120, 97.7510



43.2708, 24.7120, 42.3099



17.3927, 24.7120, 2.6659



10.8959, 24.7120, 15.7861

Sweetspot

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



30.8641, 24.7127, 97.7511



68.9282, 69.9007, 104.4670



55.4534, 80.0304, 87.0210



13.9751, 14.0569, 22.2266



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.



30.8641, 24.7127, 97.7511



25.1391, 17.4971, 96.6600



35.9400, 23.4971, 97.2489



17.2233, 17.8182, 22.7814



9.8646, 4.6388, 49.8100



1.0223, 0.5753, 4.8704

Inverse Universe

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



49.6939, 32.2450, 23.0071



45.7706, 26.7182, 14.5474



63.0612, 85.3172, 25.7166



18.1206, 18.0316, 19.2523



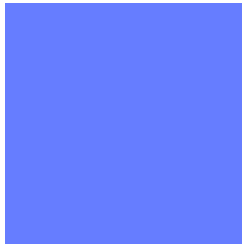
21.7674, 11.1962, 2.1596



2.1506, 1.1026, 0.3746

Previews

White Background



This preview shows how the XYZ color 30.8631, 24.7120, 97.7510 looks on a white background.

Color Contrast Check

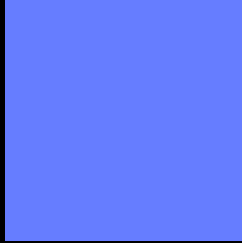
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8631, 24.7120, 97.7510 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 30.8631, 24.7120, 97.7510

Background



This preview shows how black text looks on a background with the XYZ color 30.8631, 24.7120, 97.7510.



This preview shows how white text looks on a background with the XYZ color 30.8631, 24.7120,

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

30.8631, 24.7120, 97.7510

Protanopia

28.6205, 24.7178, 97.8703

Deuteranopia

25.2661, 24.6480, 88.2199



Tritanopia

18.7387, 24.6477, 37.0276

Trichromacy



Original Color

30.8631, 24.7120, 97.7510

Protanomaly

29.2936, 24.6698, 97.8256

Deuteranomaly

25.9390, 23.8838, 91.2386

Tritanomaly

22.1301, 24.1922, 55.1329

Monochromacy



Original Color

30.8631, 24.7120, 97.7510

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.9445, 23.2772, 44.8259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8631, 24.7120, 97.7510 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(102, 125, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 125, 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(102, 125, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 125, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.8631, 24.7120, 97.7510 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(102, 125, 255) }
```


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

```
.border{ border-color:rgb(102, 125, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 125, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 125, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 125, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 125,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8631, 24.7120, 97.7510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 125, 255) }
```

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

```
.background{ background-color: rgb(102,  
125, 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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