

Converting Colors

XYZ(30.8725, 21.8468, 97.1974)

Have a look what the booklet for
XYZ(30.8725, 21.8468, 97.1974)
contains.

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Color

**XYZ(30.8838, 21.7967,
97.1872)**

Conversions

Conversions Part 1

Format	Color
Hex	766CFF
RGB	118, 108, 255
RGB Percent	46%, 42%, 100%
CMY	0.5372, 0.5765, 0.0000
CMYK	0.54, 0.58, 0.00, 0.00
HSL	244°, 100%, 71%
HSV	244°, 58%, 100%
XYZ	30.8838, 21.7967, 97.1872
YIQ	127.7480, -41.2270, 47.8370

Conversions

Conversions Part 2

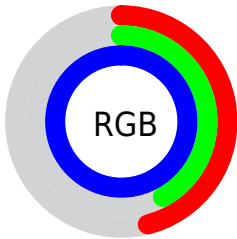
Format	Color
R _Y B	118, 108, 255
Decimal	7761151
CIE Lab	53.81, 42.84, -72.20
CIE LCh	54, 83.953, 300.679
Yxy	21.7967, 0.2061, 0.1454
Android (android.graphics.Color)	4285951231 (0xFF766CFF)
YUV	127.7480, 62.7352, -8.5490
Hunter-Lab	46.6869, 36.3771, -90.7419

Details

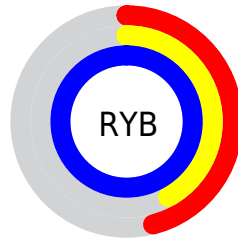
The XYZ color **30.8838, 21.7967, 97.1872** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **76.1209, 92.0141, 27.9361**, and the grayscale version is **20.2318, 21.2854, 23.1798**.

A 20% lighter version of the original color is **49.2112, 41.9453, 100.1103**, and **12.9605, 7.9159, 53.6682** is the 20% darker color. If you saturate the color by 10%, you get **25.7462, 15.7229, 96.2856**, and if you desaturate by 10%, it is **37.6223, 29.8631, 98.3890**.

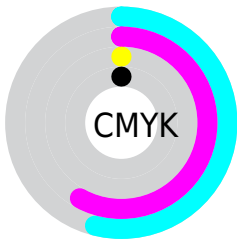
Distribution



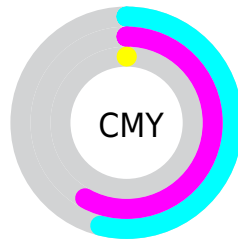
- Red (46%)
- Green (42%)
- Blue (100%)



- Red (46%)
- Yellow (42%)
- Blue (100%)



- Cyan (54%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (58%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8838, 21.7967, 97.1872 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 30.8838, 21.7967, 97.1872 by changing the saturation by 10% instead.

■ 30.8838, 21.7967,
97.1872

■ 30.8838, 21.7967,
97.1872

297.8391,
261.4827, 572.3058

■ 20.6618, 13.7076,
73.3498

■ 60.4342, 46.4098,
159.3043

■ 12.9880, 7.9176,
53.7685

■ 80.4932, 63.7025,
198.4212

■ 7.4973, 4.0423,
38.0247

■ 104.5620, 84.8319,
243.4682

■ 3.8241, 1.6972,
25.6999

■ 133.0058,
110.1824, 294.8641

■ 1.6031, 0.4219,
16.3755

166.1901,
140.1383, 353.0272

■ 0.3944, 0.0000,
9.6330

204.4802,

■ 0.0000, 0.0000,

175.0841, 418.3762

5.0539

248.2414,
215.4041, 491.3295

■ 0.0000, 0.0000,
2.2196

■ 0.0000, 0.0000,
0.6857

■ 30.8838, 21.7967,
97.1872

■ 30.8838, 21.7967,
97.1872

■ 25.7462, 15.7229,
96.2856

■ 37.6223, 29.8631,
98.3890

■ 22.0736, 11.4663,
95.6575

■ 46.0769, 40.0734,
99.9142

■ 19.7123, 8.8239,
95.2720

■ 56.3553, 52.5666,
101.7839

■ 18.4673, 7.5318,
95.0882

■ 68.5559, 67.4692,
104.0173

■ 18.2876, 7.3425,
95.0611

■ 82.7696, 84.8988,
106.6324

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.



20.9233, 21.7967, 116.0756



30.8838, 21.7967, 97.1872



39.8118, 21.7967, 57.3042

Triad

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



30.8838, 21.7967, 97.1872



30.4216, 21.7967, 1.4280



7.7655, 21.7967, 24.3264

Complementary

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



30.8838, 21.7967, 97.1872



76.1209, 92.0141, 27.9361

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.



8.9779, 21.7967, 6.7747



30.8838, 21.7967, 97.1872



20.5123, 21.7967, 0.6173

Square

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



30.8838, 21.7967, 97.1872



39.4950, 21.7967, 6.3423



13.0694, 21.7967, 1.5203



9.0961, 21.7967, 59.1586

Rectangle

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



30.8838, 21.7967, 97.1872



42.9717, 21.7967, 32.7190



13.0694, 21.7967, 1.5203



7.8845, 21.7967, 16.5640

Sweetspot

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



30.8848, 21.7973, 97.1872



69.4133, 68.5189, 104.1747



56.9474, 75.8341, 106.2437



14.2931, 13.9754, 22.1941



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.



30.8848, 21.7973, 97.1872



25.1666, 15.0447, 96.1852



44.9741, 29.0606, 97.8466



17.1175, 17.4368, 22.7134



9.5978, 3.8583, 49.6735



0.9726, 0.3953, 4.8383

Inverse Universe

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



63.0832, 38.5775, 90.5028



60.2208, 33.3317, 88.0723



55.4144, 81.3395, 26.9670



18.7361, 18.2778, 22.4937



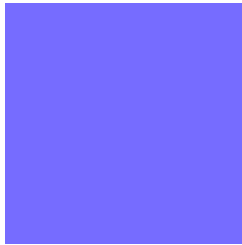
29.6080, 14.3325, 43.4477



2.8982, 1.4017, 4.3115

Previews

White Background



This preview shows how the XYZ color 30.8838, 21.7967, 97.1872 looks on a white background.

Color Contrast Check

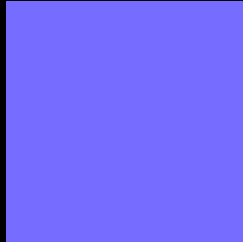
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8838, 21.7967, 97.1872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

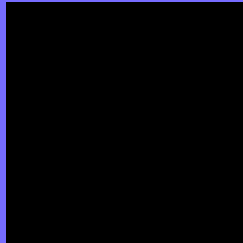
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.8838, 21.7967, 97.1872

Background



This preview shows how black text looks on a background with the XYZ color 30.8838, 21.7967, 97.1872.



This preview shows how white text looks on a background with the XYZ color 30.8838, 21.7967,

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

30.8838, 21.7967, 97.1872

Protanopia

26.1327, 22.0864, 97.4935

Deuteranopia

22.1199, 21.8340, 76.4473



Tritanopia

17.6843, 21.7788, 31.2886

Trichromacy



Original Color

30.8838, 21.7967, 97.1872

Protanomaly

26.9123, 21.4058, 97.3210

Deuteranomaly

23.5118, 20.8526, 83.6747

Tritanomaly

21.0466, 20.8892, 49.9365

Monochromacy



Original Color

30.8838, 21.7967, 97.1872

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.7895, 21.0158, 42.8997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8838, 21.7967, 97.1872 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(118, 108, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 108, 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(118, 108, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 108, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.8838, 21.7967, 97.1872 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(118, 108, 255) }
```


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

```
.border{ border-color:rgb(118, 108, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 108, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 108, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 108, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 108,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8838, 21.7967, 97.1872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 108, 255) }
```

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

```
.background{ background-color: rgb(118,  
108, 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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