

Converting Colors

XYZ(29.6532, 21.7772, 89.1756)

Have a look what the booklet for
XYZ(29.6532, 21.7772, 89.1756)
contains.

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Color

**XYZ(29.6371, 21.8130,
89.0345)**

Conversions

Conversions Part 1

Format	Color
Hex	766FF5
RGB	118, 111, 245
RGB Percent	46%, 44%, 96%
CMY	0.5372, 0.5647, 0.0392
CMYK	0.52, 0.55, 0.00, 0.04
HSL	243°, 87%, 70%
HSV	243°, 55%, 96%
XYZ	29.6371, 21.8130, 89.0345
YIQ	128.3690, -38.8420, 43.1580

Conversions

Conversions Part 2

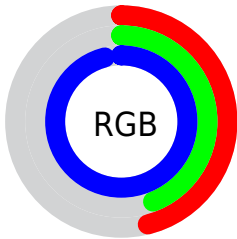
Format	Color
R _Y B	118, 111, 245
Decimal	7761909
CIE Lab	53.83, 38.07, -66.63
CIE LCh	54, 76.740, 299.743
Yxy	21.8130, 0.2110, 0.1553
Android (android.graphics.Color)	4285951989 (0xFF766FF5)
YUV	128.3690, 57.4991, -9.0936
Hunter-Lab	46.7044, 31.5377, -80.3339

Details

The XYZ color **29.6371, 21.8130, 89.0345** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **70.7803, 84.6293, 27.6438**, and the grayscale version is **20.4630, 21.5286, 23.4447**.

A 20% lighter version of the original color is **49.5073, 42.8794, 100.2750**, and **12.3228, 7.9427, 48.4606** is the 20% darker color. If you saturate the color by 10%, you get **24.5467, 15.7500, 88.1330**, and if you desaturate by 10%, it is **36.2384, 29.7432, 90.2177**.

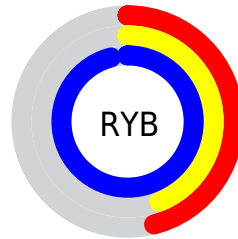
Distribution



Red (46%)

Green (44%)

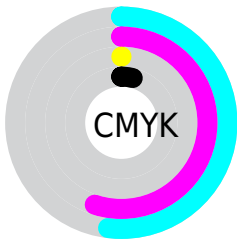
Blue (96%)



Red (46%)

Yellow (44%)

Blue (96%)

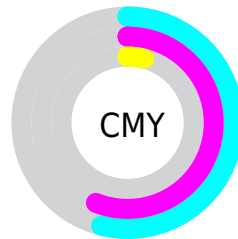


Cyan (52%)

Magenta (55%)

Yellow (0%)

Black (4%)



Cyan (54%)

Magenta (56%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6371, 21.8130, 89.0345 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 29.6371, 21.8130, 89.0345 by changing the saturation by 10% instead.

■ 29.6371, 21.8130,
89.0345

■ 29.6371, 21.8130,
89.0345

292.1495,
261.5682, 545.3739

■ 19.7100, 13.7196,
66.6109

■ 58.4784, 46.4367,
147.9203

■ 12.2915, 7.9259,
48.3089

■ 78.1233, 63.7358,
185.2197

■ 7.0161, 4.0476,
33.7099

■ 101.7381, 84.8722,
228.3147

■ 3.5186, 1.7002,
22.3952

■ 129.6883,
110.2304, 277.6239

■ 1.4336, 0.4238,
13.9465

162.3392,
140.1946, 333.5660

■ 0.2800, 0.0000,
7.9451

200.0561,

■ 0.0000, 0.0000,

175.1494, 396.5593

3.9726

243.2044,
215.4791, 467.0224

■ 0.0000, 0.0000,
1.6103

■ 0.0000, 0.0000,
0.2982

■ 29.6371, 21.8130,
89.0345

■ 29.6371, 21.8130,
89.0345

■ 24.5467, 15.7500,
88.1330

■ 36.2384, 29.7432,
90.2177

■ 20.8446, 11.3991,
87.4883

■ 44.4543, 39.6745,
91.7017

■ 18.3942, 8.5840,
87.0741

■ 54.3826, 51.7309,
93.5055

■ 17.0296, 7.0888,
86.8574

■ 66.1128, 66.0258,
95.6464

■ 16.6447, 6.6767,
86.7982

■ 79.7279, 82.6644,
98.1404

■ 93.4815, 99.3726,
100.6405

Harmonies

Analogous

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



20.6615, 21.8130, 104.2662



29.6371, 21.8130, 89.0345



37.6687, 21.8130, 54.7724

Triad

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



29.6371, 21.8130, 89.0345



29.7938, 21.8130, 2.1559



8.5741, 21.8130, 23.5474

Complementary

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



29.6371, 21.8130, 89.0345



70.7803, 84.6293, 27.6438

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.



9.8299, 21.8130, 7.4292



29.6371, 21.8130, 89.0345



20.8039, 21.8130, 1.1322

Square

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



29.6371, 21.8130, 89.0345



37.7748, 21.8130, 7.5930



13.8184, 21.8130, 2.1150



9.7867, 21.8130, 54.1584

Rectangle

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



29.6371, 21.8130, 89.0345



40.5799, 21.8130, 32.7905



13.8184, 21.8130, 2.1150



8.7155, 21.8130, 16.5466

Sweetspot

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



29.6381, 21.8137, 89.0351



70.5646, 70.0641, 104.4123



53.6993, 71.2965, 97.3181



14.5131, 14.2762, 22.2406



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.



29.6381, 21.8137, 89.0351



26.2052, 16.4476, 96.4013



42.1015, 28.2388, 89.6183



15.6613, 15.9680, 20.7993



9.0007, 3.6144, 46.7613



0.8187, 0.3319, 4.1112

Inverse Universe

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



58.7729, 36.9545, 84.9207



61.2895, 34.6941, 90.8175



52.3821, 75.1447, 26.7827



17.1740, 16.7525, 20.6629



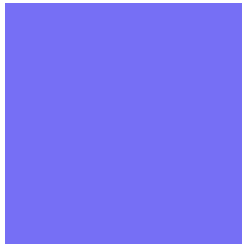
28.1641, 13.6091, 42.4341



2.4866, 1.2006, 3.7889

Previews

White Background



This preview shows how the XYZ color 29.6371, 21.8130, 89.0345 looks on a white background.

Color Contrast Check

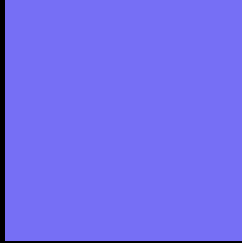
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6371, 21.8130, 89.0345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

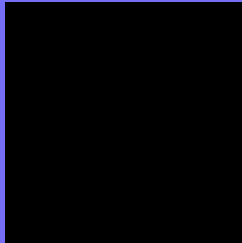
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.6371, 21.8130, 89.0345

Background



This preview shows how black text looks on a background with the XYZ color 29.6371, 21.8130, 89.0345.



This preview shows how white text looks on a background with the XYZ color 29.6371, 21.8130,

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

29.6371, 21.8130, 89.0345

Protanopia

26.1721, 22.1067, 97.4953

Deuteranopia

22.3992, 21.9458, 77.9183



Tritanopia

17.9084, 21.6933, 30.8471

Trichromacy



Original Color

29.6371, 21.8130, 89.0345

Protanomaly

26.4637, 21.4239, 94.0072

Deuteranomaly

23.1993, 20.9271, 81.4139

Tritanomaly

21.1736, 21.1943, 47.7747

Monochromacy



Original Color

29.6371, 21.8130, 89.0345

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

22.6224, 21.1444, 41.4170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6371, 21.8130, 89.0345 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, 111, 245)` looks like.

```
.text, #text, p{  
    color:rgb(118, 111, 245)  
}
```

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, 111, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 111, 245) }
```

Border

The CSS property to change the border of an element to XYZ 29.6371, 21.8130, 89.0345 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, 111, 245) }
```


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

```
.border{ border-color:rgb(118, 111, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 111, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 111, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 111, 245);  
box-shadow:4px 4px 4px 4px rgb(118, 111,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6371, 21.8130, 89.0345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 111, 245) }
```

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

```
.background{ background-color: rgb(118,  
111, 245) }
```

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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