

Converting Colors

XYZ(29.5667, 21.9799, 80.5090)

Have a look what the booklet for
XYZ(29.5667, 21.9799, 80.5090)
contains.

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Color

**XYZ(29.5890, 21.9765,
80.5243)**

Conversions

Conversions Part 1

Format	Color
Hex	816FEA
RGB	129, 111, 234
RGB Percent	51%, 44%, 92%
CMY	0.4941, 0.5647, 0.0824
CMYK	0.45, 0.53, 0.00, 0.08
HSL	249°, 75%, 68%
HSV	249°, 53%, 92%
XYZ	29.5890, 21.9765, 80.5243
YIQ	130.4040, -28.7550, 42.0690

Conversions

Conversions Part 2

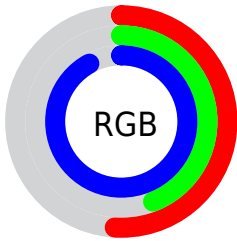
Format	Color
R_{YB}	129, 111, 234
Decimal	8482794
CIE _{Lab}	54.00, 37.14, -60.17
CIE _{LCh}	54, 70.709, 301.683
Yxy	21.9765, 0.2240, 0.1664
Android (android.graphics.Color)	4286672874 (0xFF816FEA)
YUV	130.4040, 51.0728, -1.2313
Hunter-Lab	46.8791, 30.6266, -69.0272

Details

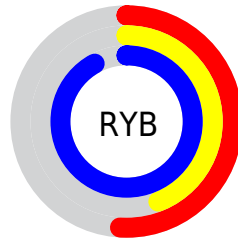
The XYZ color **29.5890, 21.9765, 80.5243** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **60.6104, 74.5922, 26.2425**, and the grayscale version is **21.1939, 22.2976, 24.2821**.

A 20% lighter version of the original color is **51.6407, 43.9792, 100.3748**, and **12.2391, 8.0314, 42.5001** is the 20% darker color. If you saturate the color by 10%, you get **24.6188, 16.1078, 79.6540**, and if you desaturate by 10%, it is **35.8228, 29.4896, 81.6464**.

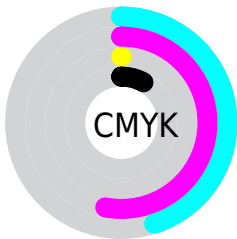
Distribution



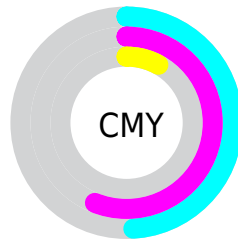
- Red (51%)
- Green (44%)
- Blue (92%)



- Red (51%)
- Yellow (44%)
- Blue (92%)



- Cyan (45%)
- Magenta (53%)
- Yellow (0%)
- Black (8%)



- Cyan (49%)
- Magenta (56%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5890, 21.9765, 80.5243 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 29.5890, 21.9765, 80.5243 by changing the saturation by 10% instead.

■ 29.5890, 21.9765,
80.5243

■ 29.5890, 21.9765,
80.5243

291.9283,
262.4235, 516.4513

■ 19.6734, 13.8396,
59.6212

■ 58.4027, 46.7072,
135.9207

■ 12.2647, 8.0092,
42.6901

■ 78.0315, 64.0697,
171.2510

■ 6.9977, 4.1008,
29.3124

■ 101.6286, 85.2763,
212.2275

■ 3.5070, 1.7301,
19.0697

■ 129.5596,
110.7114, 259.2687

■ 1.4272, 0.4431,
11.5433

162.1897,
140.7592, 312.7931

■ 0.2755, 0.0000,
6.3148

199.8843,

■ 0.0000, 0.0000,

175.8042, 373.2194

2.9656

243.0087,
216.2309, 440.9659

■ 0.0000, 0.0000,
1.0771

■ 0.0000, 0.0000,
0.0000

■ 29.5890, 21.9765,
80.5243

■ 29.5890, 21.9765,
80.5243

■ 24.6188, 16.1078,
79.6540

■ 35.8228, 29.4896,
81.6464

■ 20.8212, 11.7566,
79.0142

■ 43.3969, 38.7566,
83.0359

■ 18.0974, 8.7808,
78.5834

■ 52.3851, 49.8802,
84.7092

■ 16.3298, 7.0096,
78.3347

■ 62.8551, 62.9543,
86.6810

■ 15.5194, 6.2849,
78.2375

■ 74.8700, 78.0665,
88.9647

■ 88.4893, 95.2992,
91.5731

■ 91.8514, 98.7206,
92.0563

Harmonies

Analogous

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



21.3223, 21.9765, 95.3898



29.5890, 21.9765, 80.5243



36.6660, 21.9765, 49.9355

Triad

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



29.5890, 21.9765, 80.5243



28.6567, 21.9765, 2.7172



9.3794, 21.9765, 25.1852

Complementary

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



29.5890, 21.9765, 80.5243



60.6104, 74.5922, 26.2425

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.



10.4440, 21.9765, 9.0097



29.5890, 21.9765, 80.5243



20.4597, 21.9765, 1.7028

Square

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



29.5890, 21.9765, 80.5243



36.0419, 21.9765, 7.9396



14.0856, 21.9765, 3.0173



10.7180, 21.9765, 53.5113

Rectangle

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



29.5890, 21.9765, 80.5243



39.0481, 21.9765, 30.5422



14.0856, 21.9765, 3.0173



9.4665, 21.9765, 18.3462

Sweetspot

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



29.5900, 21.9772, 80.5249



71.7145, 70.6569, 104.4661



46.3751, 59.2561, 86.8357



14.7830, 14.4154, 22.2532



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.



29.5900, 21.9772, 80.5249



29.5367, 19.1299, 96.7434



41.4977, 28.1159, 81.0821



14.4364, 14.6547, 18.9900



8.7845, 3.5645, 43.9680



0.7534, 0.3127, 3.4555

Inverse Universe

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



52.0108, 33.8194, 68.7503



59.7664, 35.1248, 79.5910



46.0222, 67.0717, 25.5598



15.6145, 15.2737, 18.5213



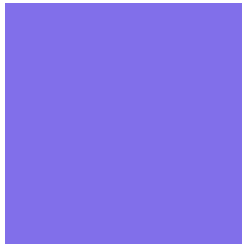
24.9464, 12.1813, 31.8488



1.9848, 0.9669, 2.6371

Previews

White Background



This preview shows how the XYZ color 29.5890, 21.9765, 80.5243 looks on a white background.

Color Contrast Check

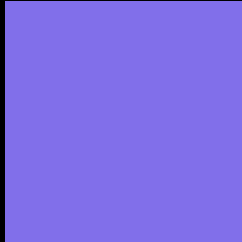
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5890, 21.9765, 80.5243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

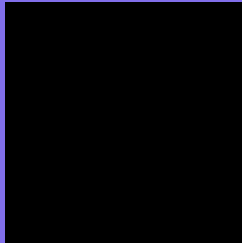
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.5890, 21.9765, 80.5243

Background



This preview shows how black text looks on a background with the XYZ color 29.5890, 21.9765, 80.5243.



This preview shows how white text looks on a background with the XYZ color 29.5890, 21.9765,

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

29.5890, 21.9765, 80.5243

Protanopia

25.9642, 22.3144, 91.7456

Deuteranopia

22.8864, 22.2131, 77.2101



Tritanopia

19.2473, 21.7919, 29.5774

Trichromacy



Original Color

29.5890, 21.9765, 80.5243

Protanomaly

26.4614, 21.7430, 87.5962

Deuteranomaly

24.0154, 21.4138, 78.4688

Tritanomaly

22.2089, 21.4190, 44.5587

Monochromacy



Original Color

29.5890, 21.9765, 80.5243

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.3568, 21.7389, 40.0108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5890, 21.9765, 80.5243 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(129, 111, 234)` looks like.

```
.text, #text, p{  
    color:rgb(129, 111, 234)  
}
```

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(129, 111, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 111, 234) }
```

Border

The CSS property to change the border of an element to XYZ 29.5890, 21.9765, 80.5243 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(129, 111, 234) }
```


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

```
.border{ border-color:rgb(129, 111, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 111, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 111, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 111, 234);  
box-shadow:4px 4px 4px 4px rgb(129, 111,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5890, 21.9765, 80.5243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 111, 234) }
```

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

```
.background{ background-color: rgb(129,  
111, 234) }
```

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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