

Converting Colors

XYZ(31.0767, 25.1213, 79.9391)

Have a look what the booklet for
XYZ(31.0767, 25.1213, 79.9391)
contains.

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Color

**XYZ(31.1216, 25.0443,
80.2845)**

Conversions

Conversions Part 1

Format	Color
Hex	827CE9
RGB	130, 124, 233
RGB Percent	51%, 49%, 91%
CMY	0.4902, 0.5137, 0.0863
CMYK	0.44, 0.47, 0.00, 0.09
HSL	243°, 71%, 70%
HSV	243°, 47%, 91%
XYZ	31.1216, 25.0443, 80.2845
YIQ	138.2200, -31.4130, 35.1710

Conversions

Conversions Part 2

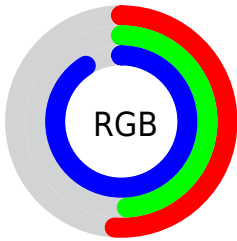
Format	Color
RYB	130, 124, 233
Decimal	8551657
CIELab	57.12, 29.46, -54.62
CIELCh	57, 62.055, 298.339
Yxy	25.0443, 0.2281, 0.1835
Android (android.graphics.Color)	4286741737 (0xFF827CE9)
YUV	138.2200, 46.7265, -7.2089
Hunter-Lab	50.0443, 23.4283, -60.0861

Details

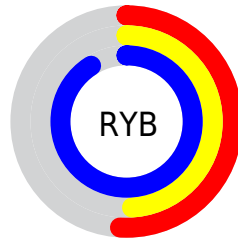
The XYZ color **31.1216, 25.0443, 80.2845** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **64.4549, 76.0639, 30.3540**, and the grayscale version is **24.0781, 25.3321, 27.5866**.

A 20% lighter version of the original color is **54.2657, 49.2291, 101.2498**, and **13.1244, 9.5842, 42.7532** is the 20% darker color. If you saturate the color by 10%, you get **25.5158, 18.3202, 79.2826**, and if you desaturate by 10%, it is **38.1417, 33.5221, 81.5514**.

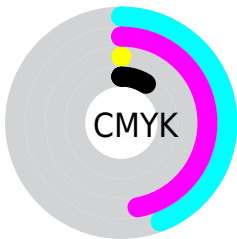
Distribution



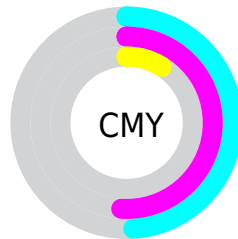
- Red (51%)
- Green (49%)
- Blue (91%)



- Red (51%)
- Yellow (49%)
- Blue (91%)



- Cyan (44%)
- Magenta (47%)
- Yellow (0%)
- Black (9%)



- Cyan (49%)
- Magenta (51%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1216, 25.0443, 80.2845 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 31.1216, 25.0443, 80.2845 by changing the saturation by 10% instead.

■ 31.1216, 25.0443,
80.2845

■ 31.1216, 25.0443,
80.2845

298.9150,
278.0585, 515.6231

■ 20.8437, 16.1101,
59.4250

■ 60.8060, 51.7291,
135.5807

■ 13.1216, 9.6021,
42.5330

■ 80.9433, 70.2484,
170.8544

■ 7.5899, 5.1359,
29.1902

■ 105.0977, 92.7316,
211.7698

■ 3.8833, 2.3272,
18.9779

133.6347,
119.5629, 258.7457

■ 1.6363, 0.7881,
11.4777

166.9195,
151.1269, 312.2004

■ 0.4159, 0.0000,
6.2709

205.3177,

■ 0.0000, 0.0000,

187.8079, 372.5525

2.9391

249.1944,
229.9903, 440.2206

■ 0.0000, 0.0000,
1.0636

■ 0.0000, 0.0000,
0.0000

■ 31.1216, 25.0443,
80.2845

■ 31.1216, 25.0443,
80.2845

■ 25.5158, 18.3202,
79.2826

■ 38.1417, 33.5221,
81.5514

■ 21.2253, 13.2244,
78.5251

■ 46.6600, 43.8619,
83.0982

■ 18.1434, 9.6195,
77.9917

■ 56.7573, 56.1663,
84.9410

■ 16.1452, 7.3438,
77.6578

■ 68.5080, 70.5296,
87.0941

■ 15.0764, 6.1940,
77.4922

■ 81.9814, 87.0401,
89.5708

■ 14.8716, 5.9675,
77.4593

■ 91.7081, 98.6632,
91.3016

Harmonies

Analogous

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



23.3987, 25.0443, 90.5743



31.1216, 25.0443, 80.2845



37.8897, 25.0443, 54.3370

Triad

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



31.1216, 25.0443, 80.2845



31.9732, 25.0443, 5.3486



12.3338, 25.0443, 26.1185

Complementary

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



31.1216, 25.0443, 80.2845



64.4549, 76.0639, 30.3540

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.



13.7295, 25.0443, 11.1232



31.1216, 25.0443, 80.2845



24.2137, 25.0443, 3.5742

Square

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



31.1216, 25.0443, 80.2845



38.4479, 25.0443, 12.2724



17.7338, 25.0443, 4.9642



13.4491, 25.0443, 51.1986

Rectangle

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



31.1216, 25.0443, 80.2845



40.4004, 25.0443, 36.2445



17.7338, 25.0443, 4.9642



12.5181, 25.0443, 19.9129

Sweetspot

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



31.1226, 25.0452, 80.2851



73.3598, 73.4537, 104.9192



50.6404, 65.4083, 87.0473



15.0651, 14.9444, 22.3405



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.



31.1226, 25.0452, 80.2851



31.6210, 22.8503, 97.3517



41.6714, 30.4832, 80.7788



14.3080, 14.5885, 18.9840



8.4704, 3.4026, 43.9533



0.6923, 0.2812, 3.4527

Inverse Universe

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



54.6771, 37.2853, 76.9859



63.8656, 39.6163, 92.3854



50.0222, 68.6235, 29.6785



15.6769, 15.2986, 18.8498



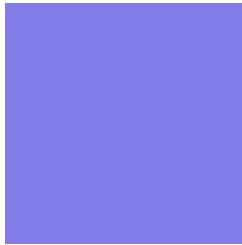
26.4259, 12.7731, 39.6397



2.0860, 1.0074, 3.1705

Previews

White Background



This preview shows how the XYZ color 31.1216, 25.0443, 80.2845 looks on a white background.

Color Contrast Check

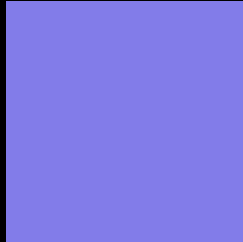
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.1216, 25.0443, 80.2845 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 31.1216, 25.0443, 80.2845

Background



This preview shows how black text looks on a background with the XYZ color 31.1216, 25.0443, 80.2845.



This preview shows how white text looks on a background with the XYZ color 31.1216, 25.0443,

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

31.1216, 25.0443, 80.2845

Protanopia

28.2523, 25.1643, 87.3725

Deuteranopia

26.1191, 25.3066, 78.3710



Tritanopia

21.8124, 24.9303, 34.2342

Trichromacy



Original Color

31.1216, 25.0443, 80.2845

Protanomaly

29.0421, 25.0220, 84.9604

Deuteranomaly

27.4274, 24.9243, 78.9666

Tritanomaly

24.5473, 24.5288, 48.2405

Monochromacy



Original Color

31.1216, 25.0443, 80.2845

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.9220, 24.9431, 42.9834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1216, 25.0443, 80.2845 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(130, 124, 233)` looks like.

```
.text, #text, p{  
    color:rgb(130, 124, 233)  
}
```

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(130, 124, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 124, 233) }
```

Border

The CSS property to change the border of an element to XYZ 31.1216, 25.0443, 80.2845 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(130, 124, 233) }
```


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

```
.border{ border-color:rgb(130, 124, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 124, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 124, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 124, 233);  
box-shadow:4px 4px 4px 4px rgb(130, 124,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1216, 25.0443, 80.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 124, 233) }
```

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

```
.background{ background-color: rgb(130,  
124, 233) }
```

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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