

Converting Colors

XYZ(28.8870, 24.0540, 80.2120)

Have a look what the booklet for
XYZ(28.8870, 24.0540, 80.2120)
contains.

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Color

**XYZ(28.8516, 24.0611,
80.2144)**

Conversions

Conversions Part 1

Format	Color
Hex	717DE9
RGB	113, 125, 233
RGB Percent	44%, 49%, 91%
CMY	0.5568, 0.5098, 0.0863
CMYK	0.52, 0.46, 0.00, 0.09
HSL	234°, 73%, 68%
HSV	234°, 52%, 91%
XYZ	28.8516, 24.0611, 80.2144
YIQ	133.7240, -41.8200, 31.0440

Conversions

Conversions Part 2

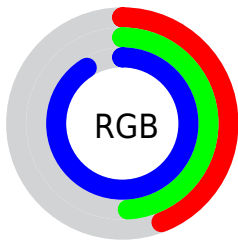
Format	Color
RYB	113, 124, 233
Decimal	7437801
CIELab	56.15, 25.05, -56.24
CIELCh	56, 61.562, 294.006
Yxy	24.0611, 0.2167, 0.1807
Android (android.graphics.Color)	4285627881 (0xFF717DE9)
YUV	133.7240, 48.9431, -18.1749
Hunter-Lab	49.0521, 19.1494, -62.6198

Details

The XYZ color **28.8516, 24.0611, 80.2144** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **62.4431, 70.2314, 25.8893**, and the grayscale version is **22.3970, 23.5634, 25.6605**.

A 20% lighter version of the original color is **50.5667, 47.3222, 101.0767**, and **11.8855, 9.0470, 42.7148** is the 20% darker color. If you saturate the color by 10%, you get **23.8493, 17.9490, 79.2988**, and if you desaturate by 10%, it is **35.1857, 31.6923, 81.3540**.

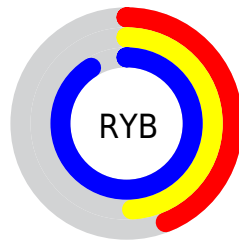
Distribution



Red (44%)

Green (49%)

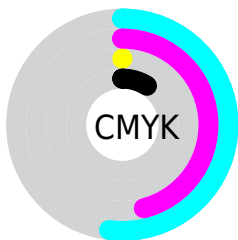
Blue (91%)



Red (44%)

Yellow (49%)

Blue (91%)

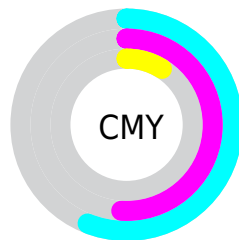


Cyan (52%)

Magenta (46%)

Yellow (0%)

Black (9%)



Cyan (56%)

Magenta (51%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8516, 24.0611, 80.2144 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 28.8516, 24.0611, 80.2144 by changing the saturation by 10% instead.

■ 28.8516, 24.0611,
80.2144

■ 28.8516, 24.0611,
80.2144

288.5210,
273.1292, 515.3809

■ 19.1123, 15.3790,
59.3676

■ 57.2404, 50.1299,
135.4812

■ 11.8559, 9.0858,
42.4871

■ 76.6206, 68.2853,
170.7384

■ 6.7172, 4.7972,
29.1545

■ 99.9452, 90.3673,
211.6360

■ 3.3306, 2.1288,
18.9512

127.5795,
116.7602, 258.5927

■ 1.3309, 0.6807,
11.4585

159.8889,
147.8485, 312.0270

■ 0.2062, 0.0000,
6.2581

197.2387,

■ 0.0000, 0.0000,

184.0165, 372.3574

2.9313

239.9943,
225.6486, 440.0026

■ 0.0000, 0.0000,
1.0597

■ 0.0000, 0.0000,
0.0000

■ 28.8516, 24.0611,
80.2144

■ 28.8516, 24.0611,
80.2144

■ 23.8493, 17.9490,
79.2988

■ 35.1857, 31.6923,
81.3540

■ 20.0801, 13.2513,
78.5907

■ 42.9348, 40.9327,
82.7292

■ 17.4362, 9.8541,
78.0743

■ 52.1788, 51.8685,
84.3528

■ 15.7897, 7.6240,
77.7307

■ 62.9909, 64.5787,
86.2363

■ 15.0203, 6.5077,
77.5558

■ 75.4393, 79.1375,
88.3903

■ 89.5882, 95.6150,
90.8250

■ 91.7081, 98.6632,
91.3017

Harmonies

Analogous

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



21.4802, 24.0611, 87.0451



28.8516, 24.0611, 80.2144



35.7117, 24.0611, 56.3511

Triad

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



28.8516, 24.0611, 80.2144



31.8158, 24.0611, 5.6474



11.8469, 24.0611, 22.3429

Complementary

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



28.8516, 24.0611, 80.2144



62.4431, 70.2314, 25.8893

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.



13.5469, 24.0611, 9.3431



28.8516, 24.0611, 80.2144



24.3172, 24.0611, 3.4308

Square

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



28.8516, 24.0611, 80.2144



37.6548, 24.0611, 13.3465



17.7771, 24.0611, 4.3094



12.5710, 24.0611, 45.4223

Rectangle

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



28.8516, 24.0611, 80.2144



38.5670, 24.0611, 38.4438



17.7771, 24.0611, 4.3094



12.1405, 24.0611, 16.8760

Sweetspot

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



28.8526, 24.0619, 80.2150



72.3351, 73.4216, 104.9671



49.0011, 67.0098, 78.7590



14.8779, 15.0044, 22.3619



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.



28.8526, 24.0619, 80.2150



28.8414, 21.5006, 97.2377



35.3124, 25.2721, 80.1081



14.3523, 14.7911, 19.0208



8.5636, 3.7741, 44.0201



0.7134, 0.3783, 3.4703

Inverse Universe

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



43.2120, 30.6159, 23.0345



48.4695, 30.9766, 18.9605



52.1282, 69.7852, 26.3468



15.1266, 15.0785, 15.9522



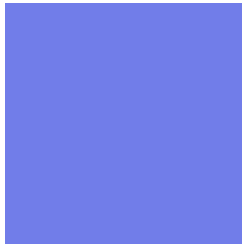
19.1778, 9.8738, 1.4716



1.5266, 0.7836, 0.2245

Previews

White Background



This preview shows how the XYZ color 28.8516, 24.0611, 80.2144 looks on a white background.

Color Contrast Check

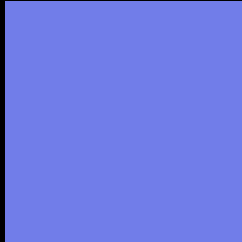
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8516, 24.0611, 80.2144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

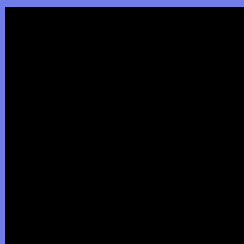
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8516, 24.0611, 80.2144

Background



This preview shows how black text looks on a background with the XYZ color 28.8516, 24.0611, 80.2144.



This preview shows how white text looks on a background with the XYZ color 28.8516, 24.0611,

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

28.8516, 24.0611, 80.2144

Protanopia

27.2636, 24.3036, 84.9155

Deuteranopia

25.1524, 24.3699, 78.9795



Tritanopia

19.7634, 24.0862, 34.6178

Trichromacy



Original Color

28.8516, 24.0611, 80.2144

Protanomaly

27.7524, 24.1946, 83.3281

Deuteranomaly

26.1250, 24.0342, 79.6061

Tritanomaly

22.2812, 23.5686, 48.1746

Monochromacy



Original Color

28.8516, 24.0611, 80.2144

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.9762, 23.5705, 41.3161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8516, 24.0611, 80.2144 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(113, 125, 233)` looks like.

```
.text, #text, p{  
    color:rgb(113, 125, 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(113, 125, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 125, 233) }
```

Border

The CSS property to change the border of an element to XYZ 28.8516, 24.0611, 80.2144 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(113, 125, 233) }
```


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

```
.border{ border-color:rgb(113, 125, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 125, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 125, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 125, 233);  
box-shadow:4px 4px 4px 4px rgb(113, 125,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8516, 24.0611, 80.2144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 125, 233) }
```

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

```
.background{ background-color: rgb(113,  
125, 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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