

Converting Colors

XYZ(28.8412, 27.6895, 74.1763)

Have a look what the booklet for
XYZ(28.8412, 27.6895, 74.1763)
contains.

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Color

**XYZ(28.8365, 27.6709,
74.3422)**

Conversions

Conversions Part 1

Format	Color
Hex	688EE0
RGB	104, 142, 224
RGB Percent	41%, 56%, 88%
CMY	0.5921, 0.4431, 0.1216
CMYK	0.54, 0.37, 0.00, 0.12
HSL	221°, 66%, 64%
HSV	221°, 54%, 88%
XYZ	28.8365, 27.6709, 74.3422
YIQ	139.9860, -48.9700, 17.4460

Conversions

Conversions Part 2

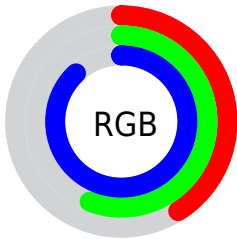
Format	Color
RYB	104, 133, 224
Decimal	6852320
CIELab	59.59, 10.15, -45.78
CIELCh	60, 46.896, 282.504
Yxy	27.6709, 0.2204, 0.2115
Android (android.graphics.Color)	4285042400 (0xFF688EE0)
YUV	139.9860, 41.4189, -31.5597
Hunter-Lab	52.6031, 5.7964, -46.9703

Details

The XYZ color **28.8365, 27.6709, 74.3422** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **50.7996, 51.9669, 20.4515**, and the grayscale version is **24.7808, 26.0713, 28.3916**.

A 20% lighter version of the original color is **52.4654, 53.9316, 102.2524**, and **11.8095, 10.9529, 38.5375** is the 20% darker color. If you saturate the color by 10%, you get **24.4502, 22.2581, 73.5292**, and if you desaturate by 10%, it is **34.2282, 34.0671, 75.2932**.

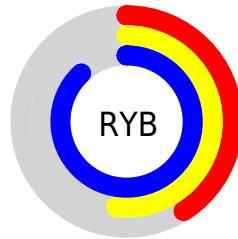
Distribution



Red (41%)

Green (56%)

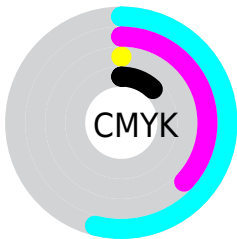
Blue (88%)



Red (41%)

Yellow (52%)

Blue (88%)

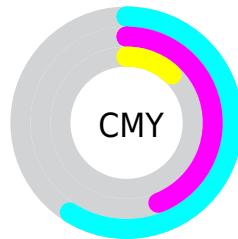


Cyan (54%)

Magenta (37%)

Yellow (0%)

Black (12%)



Cyan (59%)

Magenta (44%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8365, 27.6709, 74.3422 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 28.8365, 27.6709, 74.3422 by changing the saturation by 10% instead.

■ 28.8365, 27.6709,
74.3422

■ 28.8365, 27.6709,
74.3422

288.4509,
290.8910, 494.8485

■ 19.1008, 18.0777,
54.5757

■ 57.2166, 55.9586,
127.1193

■ 11.8476, 11.0058,
38.6658

■ 76.5917, 75.4219,
160.9670

■ 6.7114, 6.0707,
26.1940

■ 99.9107, 98.9440,
200.3454

■ 3.3270, 2.8881,
16.7418

■ 127.5389,
126.9094, 245.6732

■ 1.3290, 1.0736,
9.8905

159.8416,
159.7024, 297.3689

■ 0.2047, 0.0000,
5.2218

197.1843,

■ 0.0000, 0.0000,

197.7074, 355.8510

2.3170

239.9323,
241.3088, 421.5380

■ 0.0000, 0.0000,
0.7407

■ 0.0000, 0.0000,
0.0000

■ 28.8365, 27.6709,
74.3422

■ 28.8365, 27.6709,
74.3422

■ 24.4502, 22.2581,
73.5292

■ 34.2282, 34.0671,
75.2932

■ 20.9973, 17.7716,
72.8452

■ 40.6838, 41.4934,
76.3863

■ 18.4009, 14.1520,
72.2834

■ 48.2611, 49.9967,
77.6283

■ 16.5677, 11.3297,
71.8352

■ 57.0123, 59.6200,
79.0245

■ 15.7034, 9.8793,
71.6008

■ 66.9865, 70.4039,
80.5803

■ 78.2299, 82.3868,
82.3007

■ 88.6174, 94.4873,
84.0888

■ 90.4547, 98.1619,
84.7013

Harmonies

Analogous

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



23.0318, 27.6709, 73.0113



28.8365, 27.6709, 74.3422



34.7436, 27.6709, 61.0299

Triad

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



28.8365, 27.6709, 74.3422



35.5925, 27.6709, 13.0638



16.8881, 27.6709, 21.3705

Complementary

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



28.8365, 27.6709, 74.3422



50.7996, 51.9669, 20.4515

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.



19.3495, 27.6709, 11.9495



28.8365, 27.6709, 74.3422



29.8644, 27.6709, 8.5372

Square

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



28.8365, 27.6709, 74.3422



39.0183, 27.6709, 23.6216



23.9175, 27.6709, 8.2247



16.6983, 27.6709, 37.7333

Rectangle

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



28.8365, 27.6709, 74.3422



37.7149, 27.6709, 47.7776



23.9175, 27.6709, 8.2247



17.4581, 27.6709, 17.4694

Sweetspot

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



28.8376, 27.6719, 74.3429



73.3417, 76.5497, 105.5178



41.2287, 59.8004, 55.8254



15.1671, 15.8023, 22.5007



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.



28.8376, 27.6719, 74.3429



32.3379, 29.2734, 98.5537



27.0105, 19.7197, 72.9043



13.3045, 13.9481, 17.3787



9.2319, 5.9333, 41.7070



0.7185, 0.5685, 2.9171

Inverse Universe

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



40.5743, 27.7023, 28.8005



50.0440, 30.8773, 29.4987



53.5125, 66.8681, 23.1847



13.8852, 13.7717, 15.1654



18.6000, 9.5070, 4.5595



1.3289, 0.6748, 0.5250

Previews

White Background



This preview shows how the XYZ color 28.8365, 27.6709, 74.3422 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 28.8365, 27.6709, 74.3422 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 28.8365, 27.6709, 74.3422

Background



This preview shows how black text looks on a background with the XYZ color 28.8365, 27.6709, 74.3422.

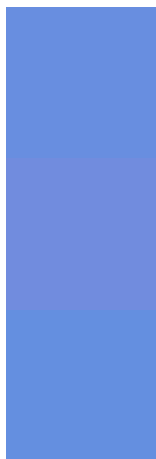


This preview shows how white text looks on a background with the XYZ color 28.8365, 27.6709,

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

28.8365, 27.6709, 74.3422

Protanopia

29.3730, 27.5408, 72.8750

Deuteranopia

28.5325, 27.7361, 74.3708



Tritanopia

22.0947, 27.7492, 40.2680

Trichromacy



Original Color

28.8365, 27.6709, 74.3422

Protanomaly

29.2746, 27.6925, 73.6143

Deuteranomaly

28.6438, 27.7934, 74.3760

Tritanomaly

24.1904, 27.6247, 51.0708

Monochromacy



Original Color

28.8365, 27.6709, 74.3422

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.6280, 26.5021, 42.2927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8365, 27.6709, 74.3422 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(104, 142, 224)` looks like.

```
.text, #text, p{  
    color:rgb(104, 142, 224)  
}
```

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(104, 142, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 142, 224) }
```

Border

The CSS property to change the border of an element to XYZ 28.8365, 27.6709, 74.3422 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(104, 142, 224) }
```


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

```
.border{ border-color:rgb(104, 142, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 142, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 142, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 142, 224);  
box-shadow:4px 4px 4px 4px rgb(104, 142,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8365, 27.6709, 74.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 142, 224) }
```

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

```
.background{ background-color: rgb(104,  
142, 224) }
```

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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