

Converting Colors

XYZ(28.7433, 27.5290, 74.6059)

Have a look what the booklet for
XYZ(28.7433, 27.5290, 74.6059)
contains.

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Color

**XYZ(28.7211, 27.6114,
74.3368)**

Conversions

Conversions Part 1

Format	Color
Hex	678EE0
RGB	103, 142, 224
RGB Percent	40%, 56%, 88%
CMY	0.5961, 0.4431, 0.1216
CMYK	0.54, 0.37, 0.00, 0.12
HSL	221°, 66%, 64%
HSV	221°, 54%, 88%
XYZ	28.7211, 27.6114, 74.3368
YIQ	139.6870, -49.5660, 17.2340

Conversions

Conversions Part 2

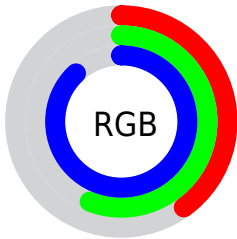
Format	Color
RYB	103, 132, 224
Decimal	6786784
CIELab	59.54, 9.94, -45.87
CIELCh	60, 46.937, 282.224
Yxy	27.6114, 0.2198, 0.2113
Android (android.graphics.Color)	4284976864 (0xFF678EE0)
YUV	139.6870, 41.5663, -32.1745
Hunter-Lab	52.5466, 5.6088, -47.0941

Details

The XYZ color **28.7211, 27.6114, 74.3368** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **50.5392, 51.5268, 20.1155**, and the grayscale version is **24.6648, 25.9493, 28.2588**.

A 20% lighter version of the original color is **52.2630, 53.8273, 102.2429**, and **11.7317, 10.9128, 38.5338** is the 20% darker color. If you saturate the color by 10%, you get **24.3806, 22.2464, 73.5306**, and if you desaturate by 10%, it is **34.0594, 33.9482, 75.2791**.

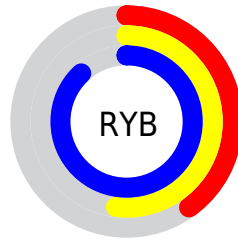
Distribution



Red (40%)

Green (56%)

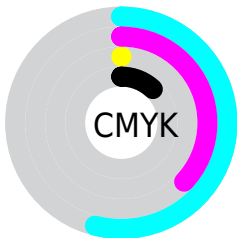
Blue (88%)



Red (40%)

Yellow (52%)

Blue (88%)

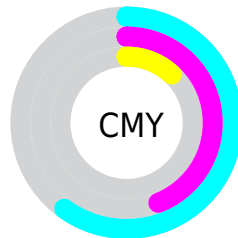


Cyan (54%)

Magenta (37%)

Yellow (0%)

Black (12%)



Cyan (60%)

Magenta (44%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7211, 27.6114, 74.3368 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 28.7211, 27.6114, 74.3368 by changing the saturation by 10% instead.

■ 28.7211, 27.6114,
74.3368

■ 28.7211, 27.6114,
74.3368

287.9147,
290.6054, 494.8294

■ 19.0132, 18.0329,
54.5713

■ 57.0343, 55.8634,
127.1116

■ 11.7838, 10.9736,
38.6623

■ 76.3703, 75.3058,
160.9579

■ 6.6678, 6.0491,
26.1913

■ 99.6463, 98.8049,
200.3350

■ 3.2997, 2.8750,
16.7398

■ 127.2278,
126.7451, 245.6612

■ 1.3142, 1.0668,
9.8891

159.4800,
159.5109, 297.3553

■ 0.1938, 0.0000,
5.2209

196.7683,

■ 0.0000, 0.0000,

197.4866, 355.8356

2.3164

239.4581,
241.0566, 421.5208

■ 0.0000, 0.0000,
0.7404

■ 0.0000, 0.0000,
0.0000

■ 28.7211, 27.6114,
74.3368

■ 28.7211, 27.6114,
74.3368

■ 24.3806, 22.2464,
73.5306

■ 34.0594, 33.9482,
75.2791

■ 20.9662, 17.7968,
72.8517

■ 40.4541, 41.3032,
76.3617

■ 18.4004, 14.2033,
72.2933

■ 47.9628, 49.7228,
77.5911

■ 16.5899, 11.3970,
71.8470

■ 56.6377, 59.2496,
78.9728

■ 15.7846, 10.0417,
71.6279

■ 66.5277, 69.9236,
80.5118

■ 77.6789, 81.7830,
82.2132

■ 88.3441, 93.9408,
83.9977

■ 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.



22.9289, 27.6114, 72.8566



28.7211, 27.6114, 74.3368



34.6342, 27.6114, 61.1313

Triad

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



28.7211, 27.6114, 74.3368



35.5780, 27.6114, 13.0830



16.8515, 27.6114, 21.1921

Complementary

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



28.7211, 27.6114, 74.3368



50.5392, 51.5268, 20.1155

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.



19.3313, 27.6114, 11.8456



28.7211, 27.6114, 74.3368



29.8637, 27.6114, 8.5183

Square

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



28.7211, 27.6114, 74.3368



38.9729, 27.6114, 23.6934



23.9132, 27.6114, 8.1715



16.6406, 27.6114, 37.4852

Rectangle

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



28.7211, 27.6114, 74.3368



37.6215, 27.6114, 47.8990



23.9132, 27.6114, 8.1715



17.4280, 27.6114, 17.3177

Sweetspot

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



28.7222, 27.6124, 74.3375



73.4048, 76.6759, 105.5388



40.8672, 59.6425, 54.5241



15.1820, 15.8321, 22.5057



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.



28.7222, 27.6124, 74.3375



31.9669, 28.9023, 98.5016



26.4985, 19.3072, 72.8516



13.3109, 13.9609, 17.3809



9.2802, 6.0300, 41.7232



0.7225, 0.5764, 2.9184

Inverse Universe

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



40.4742, 27.5022, 28.7672



49.7662, 30.4196, 29.1044



53.9610, 67.1052, 22.9421



13.8884, 13.7730, 15.1825



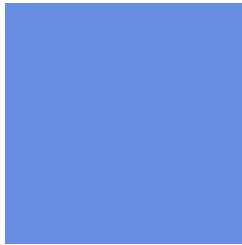
18.6244, 9.5168, 4.6881



1.3309, 0.6756, 0.5355

Previews

White Background



This preview shows how the XYZ color 28.7211, 27.6114, 74.3368 looks on a white background.

Color Contrast Check

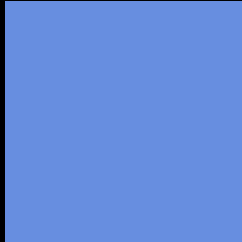
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7211, 27.6114, 74.3368 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 28.7211, 27.6114, 74.3368

Background



This preview shows how black text looks on a background with the XYZ color 28.7211, 27.6114, 74.3368.

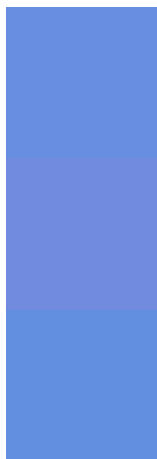


This preview shows how white text looks on a background with the XYZ color 28.7211, 27.6114,

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

28.7211, 27.6114, 74.3368

Protanopia

29.3730, 27.5408, 72.8750

Deuteranopia

28.4226, 27.6794, 74.3656



Tritanopia

21.9182, 27.6582, 40.2598

Trichromacy



Original Color

28.7211, 27.6114, 74.3368

Protanomaly

29.1508, 27.6287, 73.6085

Deuteranomaly

28.5325, 27.7361, 74.3708

Tritanomaly

24.0924, 27.5742, 51.0663

Monochromacy



Original Color

28.7211, 27.6114, 74.3368

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 28.7211, 27.6114, 74.3368 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(103, 142, 224)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 142, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 142, 224) }
```

Border

The CSS property to change the border of an element to XYZ 28.7211, 27.6114, 74.3368 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(103, 142, 224) }
```


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

```
.border{ border-color:rgb(103, 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(103, 142, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 142, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 142, 224);  
box-shadow:4px 4px 4px 4px rgb(103, 142,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7211, 27.6114, 74.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 142, 224) }
```

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

```
.background{ background-color: rgb(103,  
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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