

Converting Colors

XYZ(27.4151, 27.0001, 71.4768)

Have a look what the booklet for XYZ(27.4151, 27.0001, 71.4768) contains.

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Color

**XYZ(27.4151, 27.0001,
71.4768)**

Conversions

Conversions Part 1

Format	Color
Hex	608EDC
RGB	96, 142, 220
RGB Percent	38%, 56%, 86%
CMY	0.6235, 0.4431, 0.1373
CMYK	0.56, 0.35, 0.00, 0.14
HSL	218°, 64%, 62%
HSV	218°, 56%, 86%
XYZ	27.4151, 27.0001, 71.4768
YIQ	137.1380, -52.4540, 14.5060

Conversions

Conversions Part 2

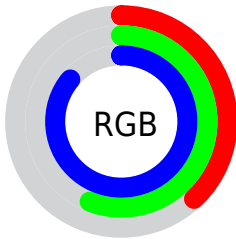
Format	Color
R_{YB}	96, 130, 220
Decimal	6328028
CIE _{Lab}	58.97, 7.19, -44.55
CIE _{LCh}	59, 45.130, 279.173
Yxy	27.0001, 0.2178, 0.2145
Android (android.graphics.Color)	4284518108 (0xFF608EDC)
YUV	137.1380, 40.8510, -36.0780
Hunter-Lab	51.9616, 3.2443, -45.1844

Details

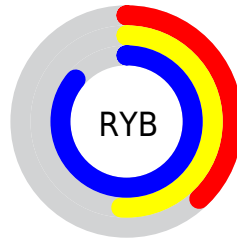
The XYZ color **27.4151, 27.0001, 71.4768** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **46.7640, 46.3342, 17.5464**, and the grayscale version is **23.6956, 24.9296, 27.1483**.

A 20% lighter version of the original color is **50.8915, 53.1202, 102.1787**, and **11.0069, 10.5815, 36.5843** is the 20% darker color. If you saturate the color by 10%, you get **23.4833, 22.1043, 70.7396**, and if you desaturate by 10%, it is **32.2522, 32.7429, 72.3309**.

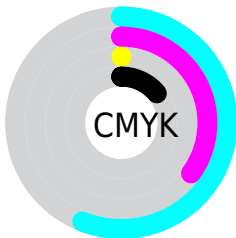
Distribution



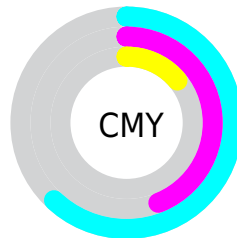
- Red (38%)
- Green (56%)
- Blue (86%)



- Red (38%)
- Yellow (51%)
- Blue (86%)



- Cyan (56%)
- Magenta (35%)
- Yellow (0%)
- Black (14%)



- Cyan (62%)
- Magenta (44%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4151, 27.0001, 71.4768 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 27.4151, 27.0001, 71.4768 by changing the saturation by 10% instead.

■ 27.4151, 27.0001,
71.4768

■ 27.4151, 27.0001,
71.4768

281.7924,
287.6576, 484.6470

■ 18.0234, 17.5733,
52.2472

■ 54.9645, 54.8840,
123.0132

■ 11.0666, 10.6441,
36.8185

■ 73.8528, 74.1099,
156.1570

■ 6.1793, 5.8280,
24.7723

■ 96.6375, 97.3710,
194.7760

■ 2.9961, 2.7408,
15.6900

■ 123.6838,
125.0516, 239.2886

■ 1.1517, 0.9980,
9.1531

155.3571,
157.5362, 290.1135

■ 0.0677, 0.0000,
4.7430

192.0227,

■ 0.0000, 0.0000,

195.2091, 347.6692

2.0412

234.0460,
238.4548, 412.3742

■ 0.0000, 0.0000,
0.5804

■ 0.0000, 0.0000,
0.0000

■ 27.4151, 27.0001,
71.4768

■ 27.4151, 27.0001,
71.4768

■ 23.4833, 22.1043,
70.7396

■ 32.2522, 32.7429,
72.3309

■ 20.3887, 18.0054,
70.1115

■ 38.0494, 39.3730,
73.3051

■ 18.0578, 14.6510,
69.5869

■ 44.8606, 46.9309,
74.4049

■ 16.3982, 11.9781,
69.1585

■ 52.7347, 55.4539,
75.6350

■ 15.9063, 11.1433,
69.0232

■ 61.7170, 64.9767,
76.9997

■ 71.8503, 75.5325,
78.5031

■ 83.1750, 87.1527,
80.1491

■ 89.1937, 96.4979,
81.6357

■ 89.9184, 97.9474,
81.8773

Harmonies

Analogous

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



22.0267, 27.0001, 68.5905



27.4151, 27.0001, 71.4768



33.0707, 27.0001, 60.3133

Triad

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



27.4151, 27.0001, 71.4768



34.9328, 27.0001, 13.9228



16.8684, 27.0001, 19.7533

Complementary

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



27.4151, 27.0001, 71.4768



46.7640, 46.3342, 17.5464

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.



19.4530, 27.0001, 11.4056



27.4151, 27.0001, 71.4768



29.6785, 27.0001, 8.9888

Square

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



27.4151, 27.0001, 71.4768



37.8073, 27.0001, 24.7582



23.9868, 27.0001, 8.2741



16.4448, 27.0001, 34.5852

Rectangle

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



27.4151, 27.0001, 71.4768



36.0466, 27.0001, 48.1691



23.9868, 27.0001, 8.2741



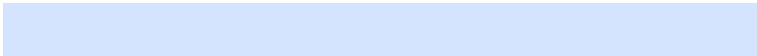
17.4932, 27.0001, 16.2740

Sweetspot

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



27.4161, 27.0010, 71.4775



72.7700, 76.5039, 105.5391



37.9094, 56.6706, 48.2069



15.0776, 15.8395, 22.5126



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.



27.4161, 27.0010, 71.4775



31.7620, 29.5300, 98.6336



23.5910, 16.8794, 69.7254



12.7324, 13.4044, 16.5684



9.4333, 6.7360, 40.5414



0.6920, 0.5982, 2.6534

Inverse Universe

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



38.5815, 25.5356, 28.4873



49.4095, 29.3074, 30.2155



53.0296, 65.0868, 20.8357



13.2548, 13.1310, 14.6029



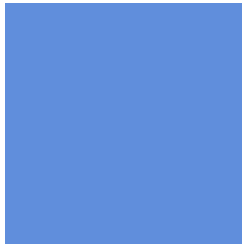
18.2568, 9.3038, 5.7324



1.2236, 0.6191, 0.5864

Previews

White Background



This preview shows how the XYZ color 27.4151, 27.0001, 71.4768 looks on a white background.

Color Contrast Check

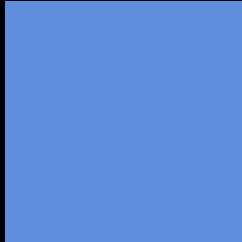
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4151, 27.0001, 71.4768 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 27.4151, 27.0001, 71.4768

Background



This preview shows how black text looks on a background with the XYZ color 27.4151, 27.0001, 71.4768.

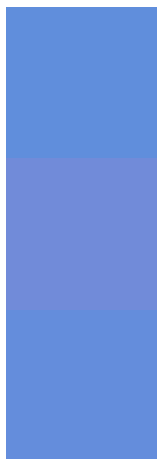


This preview shows how white text looks on a background with the XYZ color 27.4151, 27.0001,

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

27.4151, 27.0001, 71.4768

Protanopia

28.5671, 26.9857, 69.3488

Deuteranopia

27.6987, 26.9264, 71.4476



Tritanopia

21.0844, 26.9949, 39.6966

Trichromacy



Original Color

27.4151, 27.0001, 71.4768

Protanomaly

28.0964, 26.9439, 70.0495

Deuteranomaly

27.5887, 26.8697, 71.4424

Tritanomaly

23.0717, 26.8367, 49.8629

Monochromacy



Original Color

27.4151, 27.0001, 71.4768

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.2337, 25.3928, 40.1833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4151, 27.0001, 71.4768 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(96, 142, 220)` looks like.

```
.text, #text, p{  
    color:rgb(96, 142, 220)  
}
```

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(96, 142, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 142, 220) }
```

Border

The CSS property to change the border of an element to XYZ 27.4151, 27.0001, 71.4768 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(96, 142, 220) }
```


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

```
.border{ border-color:rgb(96, 142, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 142, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 142, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 142, 220);  
box-shadow:4px 4px 4px 4px rgb(96, 142,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4151, 27.0001, 71.4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 142, 220) }
```

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

```
.background{ background-color: rgb(96, 142,  
220) }
```

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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