

Converting Colors

XYZ(27.3877, 21.7491, 88.9807)

Have a look what the booklet for
XYZ(27.3877, 21.7491, 88.9807)
contains.

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Color

**XYZ(27.4741, 21.8766,
89.1608)**

Conversions

Conversions Part 1

Format	Color
Hex	5D76F5
RGB	93, 118, 245
RGB Percent	36%, 46%, 96%
CMY	0.6353, 0.5373, 0.0392
CMYK	0.62, 0.52, 0.00, 0.04
HSL	230°, 88%, 66%
HSV	230°, 62%, 96%
XYZ	27.4741, 21.8766, 89.1608
YIQ	125.0030, -55.6670, 34.1970

Conversions

Conversions Part 2

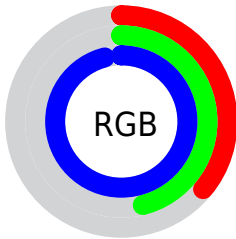
Format	Color
R _Y B	93, 114, 245
Decimal	6125301
CIE Lab	53.90, 29.32, -66.60
CIE LCh	54, 72.771, 293.762
Yxy	21.8766, 0.1984, 0.1579
Android (android.graphics.Color)	4284315381 (0xFF5D76F5)
YUV	125.0030, 59.1585, -28.0666
Hunter-Lab	46.7724, 22.9991, -80.2820

Details

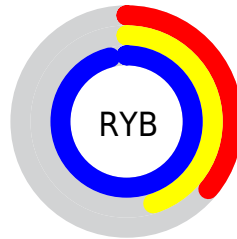
The XYZ color **27.4741, 21.8766, 89.1608** is a light color, and the websafe version is hex **6666CC**. The color can be described as light muted azure. A complement of this color would be **65.2281, 71.3940, 20.7005**, and the grayscale version is **19.3159, 20.3218, 22.1305**.

A 20% lighter version of the original color is **46.1350, 43.0374, 100.4832**, and **11.2673, 8.0112, 48.5294** is the 20% darker color. If you saturate the color by 10%, you get **23.2248, 16.4874, 88.3451**, and if you desaturate by 10%, it is **33.0426, 28.7226, 90.1892**.

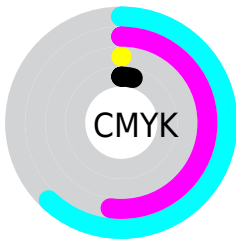
Distribution



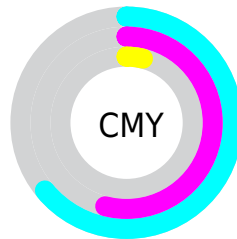
- Red (36%)
- Green (46%)
- Blue (96%)



- Red (36%)
- Yellow (45%)
- Blue (96%)



- Cyan (62%)
- Magenta (52%)
- Yellow (0%)
- Black (4%)



- Cyan (64%)
- Magenta (54%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4741, 21.8766, 89.1608 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 27.4741, 21.8766, 89.1608 by changing the saturation by 10% instead.

■ 27.4741, 21.8766,
89.1608

■ 27.4741, 21.8766,
89.1608

282.0712,
261.9012, 545.7967

■ 18.0680, 13.7663,
66.7150

■ 55.0582, 46.5420,
148.0975

■ 11.0988, 7.9583,
48.3929

■ 73.9670, 63.8658,
185.4255

■ 6.2011, 4.0683,
33.7760

■ 96.7741, 85.0295,
228.5513

■ 3.0096, 1.7118,
22.4456

■ 123.8448,
110.4176, 277.8935

■ 1.1588, 0.4313,
13.9832

155.5446,
140.4144, 333.8706

■ 0.0735, 0.0000,
7.9704

192.2386,

■ 0.0000, 0.0000,

175.4043, 396.9011

3.9885

234.2924,
215.7718, 467.4036

■ 0.0000, 0.0000,
1.6190

■ 0.0000, 0.0000,
0.3043

■ 27.4741, 21.8766,
89.1608

■ 27.4741, 21.8766,
89.1608

■ 23.2248, 16.4874,
88.3451

■ 33.0426, 28.7226,
90.1892

■ 20.1785, 12.4441,
87.7252

■ 40.0268, 37.1211,
91.4422

■ 18.2029, 9.6217,
87.2845

■ 48.5178, 47.1616,
92.9327

■ 17.2500, 8.1295,
87.0467

■ 58.5977, 58.9262,
94.6722

■ 70.3429, 72.4915,
96.6715

■ 83.8247, 87.9293,
98.9408

■ 93.4815, 99.3726,
100.6406

Harmonies

Analogous

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



19.1983, 21.8766, 97.6172



27.4741, 21.8766, 89.1608



35.4670, 21.8766, 59.5179

Triad

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



27.4741, 21.8766, 89.1608



31.0323, 21.8766, 3.2149



9.1236, 21.8766, 19.4317

Complementary

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



27.4741, 21.8766, 89.1608



65.2281, 71.3940, 20.7005

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.



10.8542, 21.8766, 6.3334



27.4741, 21.8766, 89.1608



22.4737, 21.8766, 1.5213

Square

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



27.4741, 21.8766, 89.1608



37.8561, 21.8766, 10.3203



15.2937, 21.8766, 2.1322



9.8270, 21.8766, 45.7804

Rectangle

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



27.4741, 21.8766, 89.1608



38.8732, 21.8766, 38.0388



15.2937, 21.8766, 2.1322



9.4224, 21.8766, 13.6761

Sweetspot

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



27.4751, 21.8772, 89.1614



67.8341, 68.7757, 104.3075



50.0421, 72.7826, 78.8913



13.7693, 13.8517, 22.1979



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.



27.4751, 21.8772, 89.1614



24.6221, 16.9988, 96.5911



31.8411, 20.3227, 88.6312



15.8013, 16.3668, 20.8689



9.3587, 4.5112, 46.9155



0.8850, 0.5215, 4.1442

Inverse Universe

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



44.8416, 28.5508, 20.2872



45.3788, 26.0608, 14.0281



56.9634, 77.6096, 22.3358



16.6103, 16.5270, 17.6942



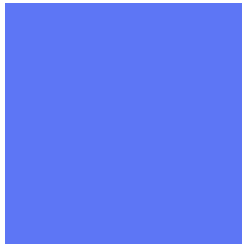
20.5284, 10.5548, 2.2248



1.8358, 0.9403, 0.3617

Previews

White Background



This preview shows how the XYZ color 27.4741, 21.8766, 89.1608 looks on a white background.

Color Contrast Check

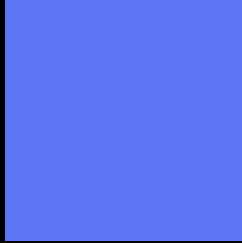
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.4741, 21.8766, 89.1608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

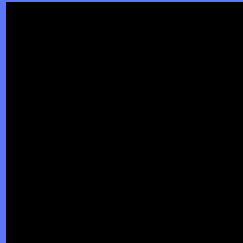
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.4741, 21.8766, 89.1608

Background



This preview shows how black text looks on a background with the XYZ color 27.4741, 21.8766, 89.1608.



This preview shows how white text looks on a background with the XYZ color 27.4741, 21.8766,

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

27.4741, 21.8766, 89.1608

Protanopia

25.8869, 22.0333, 94.1553

Deuteranopia

22.2592, 21.8897, 77.1807



Tritanopia

16.2746, 21.8746, 33.0702

Trichromacy



Original Color

27.4741, 21.8766, 89.1608

Protanomaly

26.2384, 21.8824, 92.4634

Deuteranomaly

23.1159, 21.2599, 81.4825

Tritanomaly

19.2371, 21.3444, 49.5603

Monochromacy



Original Color

27.4741, 21.8766, 89.1608

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.9310, 20.2944, 40.3501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4741, 21.8766, 89.1608 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(93, 118, 245)` looks like.

```
.text, #text, p{  
    color:rgb(93, 118, 245)  
}
```

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(93, 118, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 118, 245) }
```

Border

The CSS property to change the border of an element to XYZ 27.4741, 21.8766, 89.1608 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(93, 118, 245) }
```


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

```
.border{ border-color:rgb(93, 118, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 118, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 118, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 118, 245);  
box-shadow:4px 4px 4px 4px rgb(93, 118,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4741, 21.8766, 89.1608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 118, 245) }
```

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

```
.background{ background-color: rgb(93, 118,  
245) }
```

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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