

Converting Colors

XYZ(30.5610, 27.4845, 71.2019)

Have a look what the booklet for
XYZ(30.5610, 27.4845, 71.2019)
contains.

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Color

**XYZ(30.6163, 27.5707,
71.4182)**

Conversions

Conversions Part 1

Format	Color
Hex	7F89DC
RGB	127, 137, 220
RGB Percent	50%, 54%, 86%
CMY	0.5019, 0.4627, 0.1373
CMYK	0.42, 0.38, 0.00, 0.14
HSL	234°, 57%, 68%
HSV	234°, 42%, 86%
XYZ	30.6163, 27.5707, 71.4182
YIQ	143.4720, -32.6030, 23.6930

Conversions

Conversions Part 2

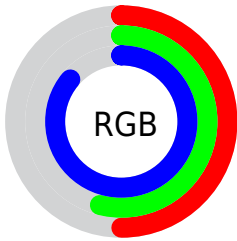
Format	Color
R _Y B	127, 136, 220
Decimal	8358364
CIE Lab	59.50, 17.32, -43.60
CIE LCh	59, 46.916, 291.667
Yxy	27.5707, 0.2362, 0.2127
Android (android.graphics.Color)	4286548444 (0xFF7F89DC)
YUV	143.4720, 37.7283, -14.4459
Hunter-Lab	52.5078, 12.1913, -43.8875

Details

The XYZ color **30.6163, 27.5707, 71.4182** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **56.3935, 62.8423, 29.2374**, and the grayscale version is **26.1611, 27.5235, 29.9731**.

A 20% lighter version of the original color is **55.9919, 54.1142, 102.1017**, and **12.7815, 10.8744, 36.5473** is the 20% darker color. If you saturate the color by 10%, you get **25.1487, 20.9793, 70.4346**, and if you desaturate by 10%, it is **37.3092, 35.5486, 72.6059**.

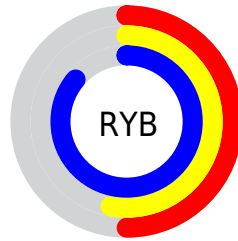
Distribution



Red (50%)

Green (54%)

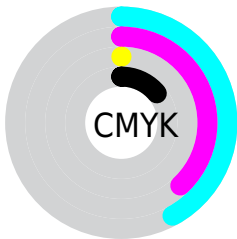
Blue (86%)



Red (50%)

Yellow (53%)

Blue (86%)

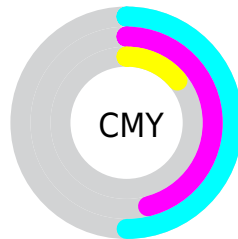


Cyan (42%)

Magenta (38%)

Yellow (0%)

Black (14%)



Cyan (50%)

Magenta (46%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6163, 27.5707, 71.4182 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 30.6163, 27.5707, 71.4182 by changing the saturation by 10% instead.

■ 30.6163, 27.5707,
71.4182

■ 30.6163, 27.5707,
71.4182

■ 296.6252,
290.4098, 484.4370

■ 20.4572, 18.0023,
52.1996

■ 60.0154, 55.7983,
122.9290

■ 12.8380, 10.9516,
36.7809

■ 79.9862, 75.2263,
156.0583

■ 7.3933, 6.0343,
24.7434

■ 103.9583, 98.7096,
194.6616

■ 3.7578, 2.8660,
15.6687

■ 132.2970,
126.6327, 239.1575

■ 1.5660, 1.0622,
9.1382

■ 165.3677,
159.3798, 289.9644

■ 0.3701, 0.0000,
4.7334

■ 203.5357,

■ 0.0000, 0.0000,

197.3354, 347.5009

2.0357

247.1664,
240.8840, 412.1856

■ 0.0000, 0.0000,
0.5771

■ 0.0000, 0.0000,
0.0000

■ 30.6163, 27.5707,
71.4182

■ 30.6163, 27.5707,
71.4182

■ 25.1487, 20.9793,
70.4346

■ 37.3092, 35.5486,
72.6059

■ 20.8287, 15.6920,
69.6418

■ 45.2925, 44.9831,
74.0061

■ 17.5744, 11.6224,
69.0278

■ 54.6305, 55.9430,
75.6295

■ 15.2917, 8.6718,
68.5786

■ 65.3824, 68.4920,
77.4850

■ 13.8695, 6.7264,
68.2780

■ 77.6035, 82.6900,
79.5813

■ 13.2379, 5.8064,
68.1337

■ 89.8580, 97.8265,
81.8571

■ 89.9184, 97.9473,
81.8772

Harmonies

Analogous

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



24.5965, 27.5707, 74.9510



30.6163, 27.5707, 71.4182



36.1388, 27.5707, 54.9881

Triad

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



30.6163, 27.5707, 71.4182



33.8821, 27.5707, 11.0784



16.5146, 27.5707, 25.5568

Complementary

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



30.6163, 27.5707, 71.4182



56.3935, 62.8423, 29.2374

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.



18.2822, 27.5707, 14.0525



30.6163, 27.5707, 71.4182



27.8823, 27.5707, 7.9950

Square

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



30.6163, 27.5707, 71.4182



38.2125, 27.5707, 19.5597



22.2394, 27.5707, 8.8300



17.0203, 27.5707, 43.6693

Rectangle

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



30.6163, 27.5707, 71.4182



38.5031, 27.5707, 41.4310



22.2394, 27.5707, 8.8300



16.8517, 27.5707, 20.9236

Sweetspot

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



30.6173, 27.5717, 71.4189



75.1656, 76.8006, 105.4701



45.8737, 60.3101, 69.6430



15.4389, 15.6774, 22.4623



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.



30.6173, 27.5717, 71.4189



35.7230, 30.0220, 98.5198



35.5414, 28.0969, 71.2607



12.4508, 12.8414, 16.4745



7.8085, 3.4864, 39.9998



0.5447, 0.3036, 2.6043

Inverse Universe

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



41.6208, 32.2017, 27.6898



53.2226, 37.7767, 28.8868



49.2760, 62.9531, 29.6340



13.1127, 13.0742, 13.8545



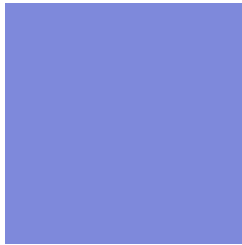
17.4367, 8.9757, 1.4137



1.1493, 0.5893, 0.1949

Previews

White Background



This preview shows how the XYZ color 30.6163, 27.5707, 71.4182 looks on a white background.

Color Contrast Check

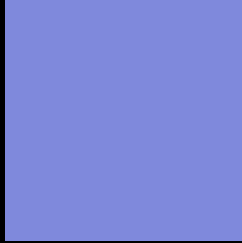
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.6163, 27.5707, 71.4182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

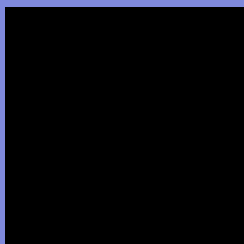
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.6163, 27.5707, 71.4182

Background



This preview shows how black text looks on a background with the XYZ color 30.6163, 27.5707, 71.4182.



This preview shows how white text looks on a background with the XYZ color 30.6163, 27.5707,

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

30.6163, 27.5707, 71.4182

Protanopia

29.5074, 27.5946, 73.5831

Deuteranopia

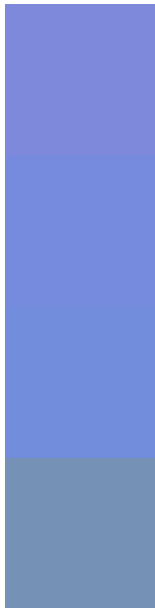
28.5525, 27.8236, 70.8834



Tritanopia

23.8626, 27.5128, 37.7710

Trichromacy



Original Color

30.6163, 27.5707, 71.4182

Protanomaly

29.8886, 27.5907, 72.8575

Deuteranomaly

29.2505, 27.7416, 70.8308

Tritanomaly

25.9050, 27.4101, 48.1813

Monochromacy



Original Color

30.6163, 27.5707, 71.4182

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

27.1921, 27.3084, 42.3659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6163, 27.5707, 71.4182 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(127, 137, 220)` looks like.

```
.text, #text, p{  
    color:rgb(127, 137, 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(127, 137, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 137, 220) }
```

Border

The CSS property to change the border of an element to XYZ 30.6163, 27.5707, 71.4182 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(127, 137, 220) }
```


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

```
.border{ border-color:rgb(127, 137, 220) }
```

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

Here you see how a box with a 4 pixel rgb(127, 137, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 137, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 137, 220);  
box-shadow:4px 4px 4px 4px rgb(127, 137,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6163, 27.5707, 71.4182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 137, 220) }
```

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

```
.background{ background-color: rgb(127,  
137, 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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