

Converting Colors

XYZ(27.0197, 27.5785, 72.4631)

Have a look what the booklet for
XYZ(27.0197, 27.5785, 72.4631)
contains.

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Color

**XYZ(27.0763, 27.7095,
72.3280)**

Conversions

Conversions Part 1

Format	Color
Hex	5592DD
RGB	85, 146, 221
RGB Percent	33%, 57%, 87%
CMY	0.6666, 0.4274, 0.1333
CMYK	0.62, 0.34, 0.00, 0.13
HSL	213°, 67%, 60%
HSV	213°, 62%, 87%
XYZ	27.0763, 27.7095, 72.3280
YIQ	136.3110, -60.4310, 10.3930

Conversions

Conversions Part 2

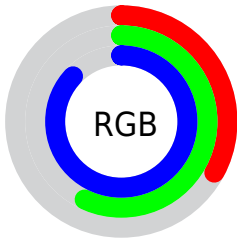
Format	Color
RYB	85, 127, 221
Decimal	5608157
CIELab	59.63, 3.02, -44.12
CIELCh	60, 44.221, 273.918
Yxy	27.7095, 0.2130, 0.2180
Android (android.graphics.Color)	4283798237 (0xFF5592DD)
YUV	136.3110, 41.7517, -44.9997
Hunter-Lab	52.6398, -0.3048, -44.6176

Details

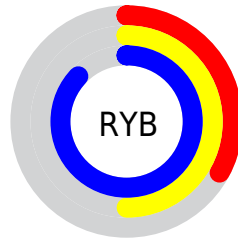
The XYZ color **27.0763, 27.7095, 72.3280** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **44.0308, 41.1719, 14.2220**, and the grayscale version is **23.3839, 24.6017, 26.7913**.

A 20% lighter version of the original color is **50.3813, 54.5483, 102.4812**, and **10.9744, 11.0824, 37.1580** is the 20% darker color. If you saturate the color by 10%, you get **23.5946, 23.2730, 71.6557**, and if you desaturate by 10%, it is **31.3868, 32.8714, 73.0977**.

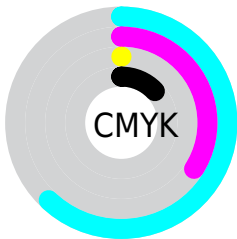
Distribution



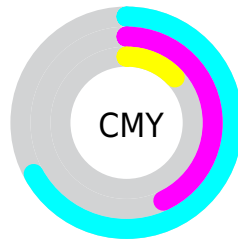
- Red (33%)
- Green (57%)
- Blue (87%)



- Red (33%)
- Yellow (50%)
- Blue (87%)



- Cyan (62%)
- Magenta (34%)
- Yellow (0%)
- Black (13%)



- Cyan (67%)
- Magenta (43%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0763, 27.7095, 72.3280 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 27.0763, 27.7095, 72.3280 by changing the saturation by 10% instead.

■ 27.0763, 27.7095,
72.3280

■ 27.0763, 27.7095,
72.3280

280.1872,
291.0762, 487.6906

■ 17.7674, 18.1068,
52.9382

■ 54.4253, 56.0203,
124.2348

■ 10.8818, 11.0267,
37.3660

■ 73.1961, 75.4972,
157.5889

■ 6.0541, 6.0848,
25.1930

■ 95.8517, 99.0343,
196.4348

■ 2.9190, 2.8967,
16.0006

■ 122.7572,
127.0159, 241.1910

■ 1.1111, 1.0780,
9.3702

154.2782,
159.8265, 292.2762

■ 0.0343, 0.0000,
4.8833

190.7800,

■ 0.0000, 0.0000,

197.8505, 350.1089

2.1214

232.6278,
241.4723, 415.1075

■ 0.0000, 0.0000,
0.6285

■ 0.0000, 0.0000,
0.0000

■ 27.0763, 27.7095,
72.3280

■ 27.0763, 27.7095,
72.3280

■ 23.5946, 23.2730,
71.6557

■ 31.3868, 32.8714,
73.0977

■ 20.8717, 19.5153,
71.0740

■ 36.5816, 38.7951,
73.9673

■ 18.8296, 16.3870,
70.5778

■ 42.7148, 45.5173,
74.9416

■ 17.5246, 14.1672,
70.2181

■ 49.8349, 53.0711,
76.0243

■ 57.9869, 61.4876,
77.2192

■ 67.2127, 70.7960,
78.5297

■ 77.5520, 81.0242,
79.9590

■ 86.4932, 90.8845,
81.3910

■ 90.0513, 98.0005,
82.5770

Harmonies

Analogous

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



21.9000, 27.7095, 66.9940



27.0763, 27.7095, 72.3280



32.7824, 27.7095, 63.4868

Triad

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



27.0763, 27.7095, 72.3280



36.2707, 27.7095, 16.0787



17.8352, 27.7095, 18.5870

Complementary

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



27.0763, 27.7095, 72.3280



44.0308, 41.1719, 14.2220

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.



20.7973, 27.7095, 11.1938



27.0763, 27.7095, 72.3280



31.3362, 27.7095, 10.1453

Square

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



27.0763, 27.7095, 72.3280



38.5433, 27.7095, 28.1215



25.6114, 27.7095, 8.7389



17.0254, 27.7095, 32.3176

Rectangle

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



27.0763, 27.7095, 72.3280



35.9841, 27.7095, 52.1014



25.6114, 27.7095, 8.7389



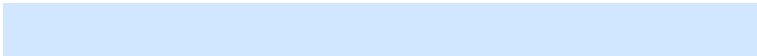
18.5895, 27.7095, 15.4626

Sweetspot

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



27.0773, 27.7104, 72.3287



72.5825, 77.2093, 105.6851



35.9316, 56.1761, 42.1169



14.8559, 15.8186, 22.5202



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.



27.0773, 27.7104, 72.3287



31.3731, 30.5008, 98.8414



20.6946, 13.9839, 70.0156



12.8171, 13.5740, 16.5966



10.2898, 8.4491, 40.8269



0.7518, 0.7177, 2.6734

Inverse Universe

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



38.2565, 23.9457, 29.8005



48.7864, 27.4238, 31.9722



55.2869, 66.6957, 18.5554



13.2976, 13.1481, 14.8282



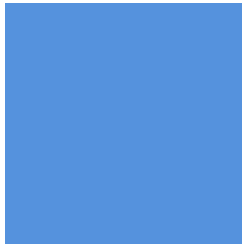
18.6892, 9.4767, 8.0091



1.2538, 0.6311, 0.7453

Previews

White Background



This preview shows how the XYZ color 27.0763, 27.7095, 72.3280 looks on a white background.

Color Contrast Check

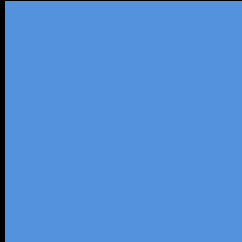
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0763, 27.7095, 72.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

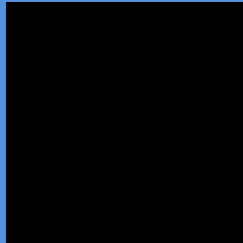
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.0763, 27.7095, 72.3280

Background



This preview shows how black text looks on a background with the XYZ color 27.0763, 27.7095, 72.3280.

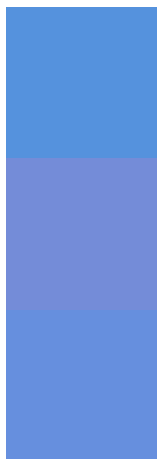


This preview shows how white text looks on a background with the XYZ color 27.0763, 27.7095,

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

27.0763, 27.7095, 72.3280

Protanopia

28.9752, 27.4270, 68.7325

Deuteranopia

28.4868, 27.7436, 72.9609



Tritanopia

20.9134, 27.6022, 41.7616

Trichromacy



Original Color

27.0763, 27.7095, 72.3280

Protanomaly

28.1536, 27.4112, 70.1367

Deuteranomaly

27.9819, 27.7072, 72.9805

Tritanomaly

22.7596, 27.3525, 51.6570

Monochromacy



Original Color

27.0763, 27.7095, 72.3280

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.6893, 25.3281, 40.1995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0763, 27.7095, 72.3280 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(85, 146, 221)` looks like.

```
.text, #text, p{  
    color:rgb(85, 146, 221)  
}
```

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(85, 146, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 146, 221) }
```

Border

The CSS property to change the border of an element to XYZ 27.0763, 27.7095, 72.3280 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(85, 146, 221) }
```


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

```
.border{ border-color:rgb(85, 146, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 146, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 146, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 146, 221);  
box-shadow:4px 4px 4px 4px rgb(85, 146,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0763, 27.7095, 72.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 146, 221) }
```

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

```
.background{ background-color: rgb(85, 146,  
221) }
```

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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