

Converting Colors

XYZ(27.0819, 27.7090, 69.9867)

Have a look what the booklet for
XYZ(27.0819, 27.7090, 69.9867)
contains.

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Color

**XYZ(27.1502, 27.7934,
70.2634)**

Conversions

Conversions Part 1

Format	Color
Hex	5A92DA
RGB	90, 146, 218
RGB Percent	35%, 57%, 85%
CMY	0.6470, 0.4274, 0.1451
CMYK	0.59, 0.33, 0.00, 0.15
HSL	214°, 63%, 60%
HSV	214°, 59%, 85%
XYZ	27.1502, 27.7934, 70.2634
YIQ	137.4640, -56.4880, 10.5200

Conversions

Conversions Part 2

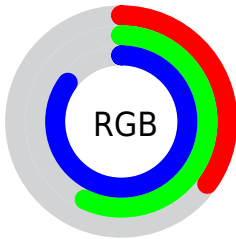
Format	Color
R _Y B	90, 129, 218
Decimal	5935834
CIE Lab	59.70, 2.99, -42.31
CIE LCh	60, 42.416, 274.045
Yxy	27.7934, 0.2168, 0.2220
Android (android.graphics.Color)	4284125914 (0xFF5A92DA)
YUV	137.4640, 39.7042, -41.6259
Hunter-Lab	52.7194, -0.3326, -42.1169

Details

The XYZ color **27.1502, 27.7934, 70.2634** 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 **43.6806, 41.4862, 15.3796**, and the grayscale version is **23.8241, 25.0648, 27.2956**.

A 20% lighter version of the original color is **51.0987, 54.9181, 102.5148**, and **10.9597, 11.0957, 36.2144** is the 20% darker color. If you saturate the color by 10%, you get **23.5424, 23.2765, 69.5823**, and if you desaturate by 10%, it is **31.5845, 33.0382, 71.0426**.

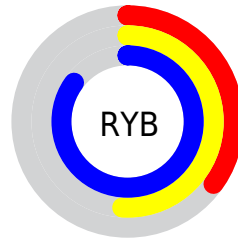
Distribution



Red (35%)

Green (57%)

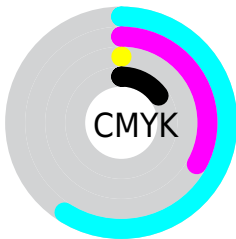
Blue (85%)



Red (35%)

Yellow (51%)

Blue (85%)

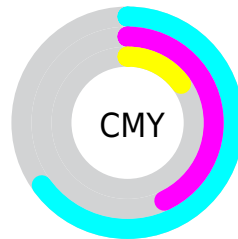


Cyan (59%)

Magenta (33%)

Yellow (0%)

Black (15%)



Cyan (65%)

Magenta (43%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1502, 27.7934, 70.2634 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 27.1502, 27.7934, 70.2634 by changing the saturation by 10% instead.

■ 27.1502, 27.7934,
70.2634

■ 27.1502, 27.7934,
70.2634

280.5379,
291.4784, 480.2884

■ 17.8232, 18.1700,
51.2632

■ 54.5430, 56.1544,
121.2689

■ 10.9221, 11.0721,
36.0399

■ 73.3395, 75.6608,
154.1113

■ 6.0814, 6.1153,
24.1751

■ 96.0233, 99.2303,
192.4049

■ 2.9357, 2.9153,
15.2501

■ 122.9596,
127.2473, 236.5681

■ 1.1199, 1.0877,
8.8466

154.5139,
160.0963, 287.0195

■ 0.0416, 0.0000,
4.5458

191.0515,

■ 0.0000, 0.0000,

198.1615, 344.1776

1.9293

232.9377,
241.8274, 408.4611

■ 0.0000, 0.0000,
0.5113

■ 0.0000, 0.0000,
0.0000

■ 27.1502, 27.7934,
70.2634

■ 27.1502, 27.7934,
70.2634

■ 23.5424, 23.2765,
69.5823

■ 31.5845, 33.0382,
71.0426

■ 20.6955, 19.4431,
68.9924

■ 36.8977, 39.0457,
71.9221

■ 18.5377, 16.2466,
68.4891

■ 43.1410, 45.8515,
72.9067

■ 16.9603, 13.6204,
68.0654

■ 50.3606, 53.4875,
74.0001

■ 16.7808, 13.3137,
68.0156

■ 58.5994, 61.9840,
75.2059

■ 67.8978, 71.3695,
76.5274

■ 78.2937, 81.6711,
77.9678

■ 86.2772, 91.0865,
79.3644

■ 89.6550, 97.8420,
80.4903

Harmonies

Analogous

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



22.1597, 27.7934, 65.2964



27.1502, 27.7934, 70.2634



32.6141, 27.7934, 61.8825

Triad

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



27.1502, 27.7934, 70.2634



35.9052, 27.7934, 16.5677



18.1945, 27.7934, 19.0992

Complementary

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



27.1502, 27.7934, 70.2634



43.6806, 41.4862, 15.3796

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.



21.0589, 27.7934, 11.8077



27.1502, 27.7934, 70.2634



31.1869, 27.7934, 10.7309

Square

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



27.1502, 27.7934, 70.2634



38.0830, 27.7934, 28.2284



25.6967, 27.7934, 9.3416



17.4156, 27.7934, 32.3916

Rectangle

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



27.1502, 27.7934, 70.2634



35.6641, 27.7934, 51.1008



25.6967, 27.7934, 9.3416



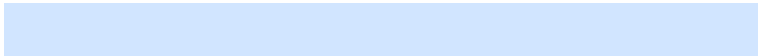
18.9244, 27.7934, 16.0345

Sweetspot

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



27.1512, 27.7944, 70.2641



72.4421, 76.9285, 105.6383



35.6692, 54.8694, 42.1538



14.8218, 15.7504, 22.5089



0.0000, 0.0000, 0.0000



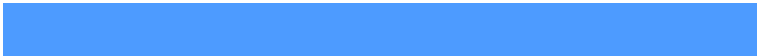
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.1512, 27.7944, 70.2641



32.7238, 32.0840, 99.0758



21.1784, 14.8842, 68.0870



12.8050, 13.5498, 16.5926



10.1564, 8.1823, 40.7824



0.7428, 0.6996, 2.6703

Inverse Universe

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



37.7588, 24.2943, 29.8941



49.7411, 28.8509, 33.7778



53.9539, 64.8194, 19.3419



13.2914, 13.1457, 14.7960



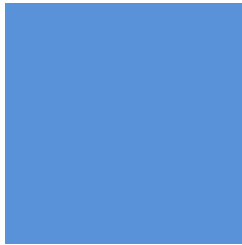
18.6218, 9.4498, 7.6545



1.2492, 0.6293, 0.7212

Previews

White Background



This preview shows how the XYZ color 27.1502, 27.7934, 70.2634 looks on a white background.

Color Contrast Check

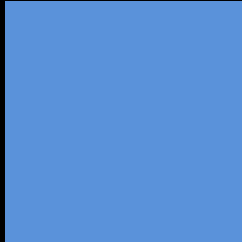
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1502, 27.7934, 70.2634 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

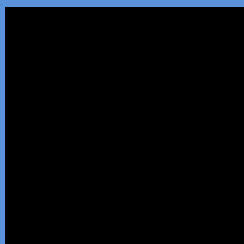
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

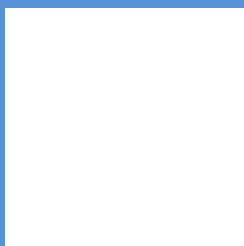
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1502, 27.7934, 70.2634

Background



This preview shows how black text looks on a background with the XYZ color 27.1502, 27.7934, 70.2634.

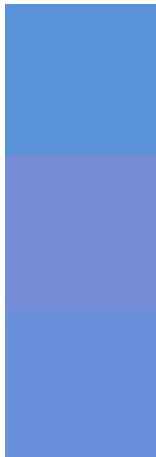


This preview shows how white text looks on a background with the XYZ color 27.1502, 27.7934,

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

27.1502, 27.7934, 70.2634

Protanopia

29.1337, 27.7563, 67.4403

Deuteranopia

28.5525, 27.8236, 70.8834



Tritanopia

21.4106, 27.8693, 41.2966

Trichromacy



Original Color

27.1502, 27.7934, 70.2634

Protanomaly

28.2725, 27.7394, 68.1541

Deuteranomaly

28.0150, 27.7703, 70.9015

Tritanomaly

23.1517, 27.5794, 50.5575

Monochromacy



Original Color

27.1502, 27.7934, 70.2634

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.0067, 25.5024, 39.7336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1502, 27.7934, 70.2634 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(90, 146, 218)` looks like.

```
.text, #text, p{  
    color:rgb(90, 146, 218)  
}
```

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(90, 146, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 146, 218) }
```

Border

The CSS property to change the border of an element to XYZ 27.1502, 27.7934, 70.2634 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(90, 146, 218) }
```


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

```
.border{ border-color:rgb(90, 146, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 146, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 146, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 146, 218);  
box-shadow:4px 4px 4px 4px rgb(90, 146,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1502, 27.7934, 70.2634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 146, 218) }
```

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

```
.background{ background-color: rgb(90, 146,  
218) }
```

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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