

Converting Colors

XYZ(30.6293, 32.0137, 70.0406)

Have a look what the booklet for
XYZ(30.6293, 32.0137, 70.0406)
contains.

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Color

**XYZ(30.5972, 31.9748,
70.2048)**

Conversions

Conversions Part 1

Format	Color
Hex	6C9CD9
RGB	108, 156, 217
RGB Percent	42%, 61%, 85%
CMY	0.5765, 0.3882, 0.1490
CMYK	0.50, 0.28, 0.00, 0.15
HSL	214°, 59%, 64%
HSV	214°, 50%, 85%
XYZ	30.5972, 31.9748, 70.2048
YIQ	148.6020, -48.1890, 8.7950

Conversions

Conversions Part 2

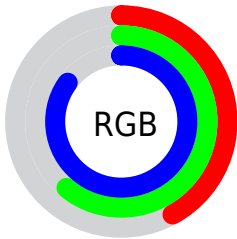
Format	Color
R _Y B	108, 141, 217
Decimal	7118041
CIE Lab	63.32, 0.77, -36.02
CIE LCh	63, 36.028, 271.227
Yxy	31.9748, 0.2304, 0.2408
Android (android.graphics.Color)	4285308121 (0xFF6C9CD9)
YUV	148.6020, 33.7202, -35.6080
Hunter-Lab	56.5463, -2.3696, -34.0289

Details

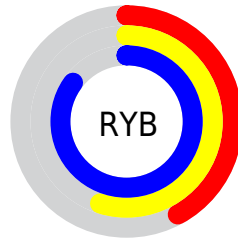
The XYZ color **30.5972, 31.9748, 70.2048** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **45.5113, 44.2121, 20.3239**, and the grayscale version is **28.2786, 29.7513, 32.3992**.

A 20% lighter version of the original color is **56.6136, 61.3125, 103.4584**, and **12.8398, 13.3648, 36.0853** is the 20% darker color. If you saturate the color by 10%, you get **26.3422, 26.9063, 69.4514**, and if you desaturate by 10%, it is **35.7150, 37.7918, 71.0585**.

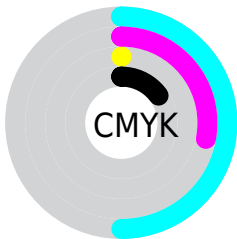
Distribution



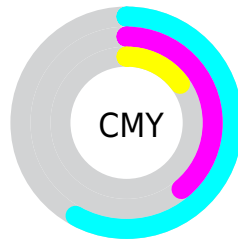
- Red (42%)
- Green (61%)
- Blue (85%)



- Red (42%)
- Yellow (55%)
- Blue (85%)



- Cyan (50%)
- Magenta (28%)
- Yellow (0%)
- Black (15%)



- Cyan (58%)
- Magenta (39%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5972, 31.9748, 70.2048 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 30.5972, 31.9748, 70.2048 by changing the saturation by 10% instead.

■ 30.5972, 31.9748,
70.2048

■ 30.5972, 31.9748,
70.2048

■ 296.5384,
311.0044, 480.0773

■ 20.4426, 21.3423,
51.2157

■ 59.9855, 62.7716,
121.1846

■ 12.8273, 13.3744,
36.0024

■ 79.9500, 83.7046,
154.0124

■ 7.3859, 7.6869,
24.1463

■ 103.9151,
108.8399, 192.2901

■ 3.7531, 3.8952,
15.2290

■ 132.2463,
138.5619, 236.4364

■ 1.5634, 1.6151,
8.8318

■ 165.3088,
173.2549, 286.8697

■ 0.3684, 0.3678,
4.5364

■ 203.4682,

■ 0.0000, 0.0000,

213.3034, 344.0086

1.9240

247.0896,
259.0918, 408.2716

■ 0.0000, 0.0000,
0.5079

■ 0.0000, 0.0000,
0.0000

■ 30.5972, 31.9748,
70.2048

■ 30.5972, 31.9748,
70.2048

■ 26.3422, 26.9063,
69.4514

■ 35.7150, 37.7918,
71.0585

■ 22.8909, 22.5451,
68.7915

■ 41.7424, 44.3880,
72.0140

■ 20.1816, 18.8509,
68.2212

■ 48.7268, 51.7967,
73.0759

■ 18.1402, 15.7757,
67.7352

■ 56.7108, 60.0477,
74.2477

■ 16.6672, 13.2951,
67.3341

■ 65.7348, 69.1693,
75.5327

■ 75.8364, 79.1882,
76.9342

■ 85.2235, 89.1877,
78.3695

■ 88.9393, 96.6194,
79.6081

■ 89.5245, 97.7898,
79.8032

Harmonies

Analogous

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



25.9972, 31.9748, 64.9303



30.5972, 31.9748, 70.2048



35.6488, 31.9748, 64.0420

Triad

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



30.5972, 31.9748, 70.2048



39.3691, 31.9748, 22.4102



22.7238, 31.9748, 23.1794

Complementary

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



30.5972, 31.9748, 70.2048



45.5113, 44.2121, 20.3239

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.



25.6775, 31.9748, 16.1889



30.5972, 31.9748, 70.2048



35.2541, 31.9748, 15.8379

Square

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



30.5972, 31.9748, 70.2048



41.0437, 31.9748, 34.2295



30.1859, 31.9748, 13.9157



21.7623, 31.9748, 35.4074

Rectangle

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



30.5972, 31.9748, 70.2048



38.5135, 31.9748, 55.0451



30.1859, 31.9748, 13.9157



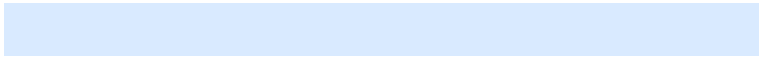
23.4994, 31.9748, 20.2705

Sweetspot

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



30.5983, 31.9760, 70.2056



75.8983, 80.5480, 106.1548



38.0616, 55.6401, 45.7563



15.7280, 16.7047, 22.6453



0.0000, 0.0000, 0.0000



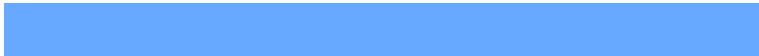
20.3446, 21.4041, 23.3091

Same Dimension

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



30.5983, 31.9760, 70.2056



37.7872, 38.5603, 100.0590



24.7564, 19.2770, 68.0623



12.8082, 13.5561, 16.5937



10.1908, 8.2510, 40.7939



0.7451, 0.7043, 2.6711

Inverse Universe

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



39.9796, 27.8785, 34.7274



53.1880, 33.6414, 41.4109



54.5423, 64.6395, 23.7908



13.2930, 13.1463, 14.8044



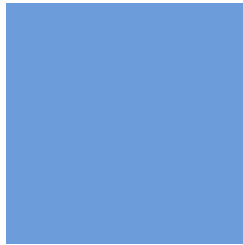
18.6392, 9.4567, 7.7458



1.2504, 0.6298, 0.7274

Previews

White Background



This preview shows how the XYZ color 30.5972, 31.9748, 70.2048 looks on a white background.

Color Contrast Check

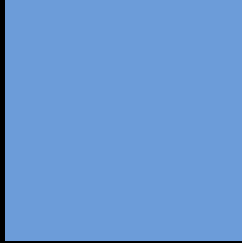
Large Text (above 18pt) WCAG AA × Fail

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 30.5972, 31.9748, 70.2048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

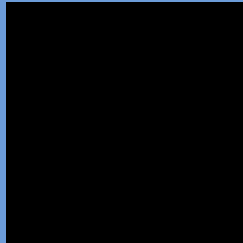
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.5972, 31.9748, 70.2048

Background



This preview shows how black text looks on a background with the XYZ color 30.5972, 31.9748, 70.2048.



This preview shows how white text looks on a background with the XYZ color 30.5972, 31.9748,

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

30.5972, 31.9748, 70.2048

Protanopia

32.9084, 32.0056, 67.3940

Deuteranopia

32.6236, 31.7844, 70.7452



Tritanopia

25.9306, 32.1581, 46.4354

Trichromacy



Original Color

30.5972, 31.9748, 70.2048

Protanomaly

31.9863, 31.9975, 68.1086

Deuteranomaly

31.9313, 31.9094, 70.8058

Tritanomaly

27.5148, 32.0048, 54.5965

Monochromacy



Original Color

30.5972, 31.9748, 70.2048

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.6997, 30.5808, 44.4344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5972, 31.9748, 70.2048 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(108, 156, 217)` looks like.

```
.text, #text, p{  
    color:rgb(108, 156, 217)  
}
```

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(108, 156, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 156, 217) }
```

Border

The CSS property to change the border of an element to XYZ 30.5972, 31.9748, 70.2048 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(108, 156, 217) }
```


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

```
.border{ border-color:rgb(108, 156, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 156, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 156, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 156, 217);  
box-shadow:4px 4px 4px 4px rgb(108, 156,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5972, 31.9748, 70.2048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 156, 217) }
```

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

```
.background{ background-color: rgb(108,  
156, 217) }
```

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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