

Converting Colors

XYZ(33.5972, 30.9048, 90.5806)

Have a look what the booklet for
XYZ(33.5972, 30.9048, 90.5806)
contains.

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Color

**XYZ(33.5972, 30.9048,
90.5806)**

Conversions

Conversions Part 1

Format	Color
Hex	7093F5
RGB	112, 147, 245
RGB Percent	44%, 58%, 96%
CMY	0.5608, 0.4235, 0.0392
CMYK	0.54, 0.40, 0.00, 0.04
HSL	224°, 87%, 70%
HSV	224°, 54%, 96%
XYZ	33.5972, 30.9048, 90.5806
YIQ	147.7070, -52.3180, 23.0580

Conversions

Conversions Part 2

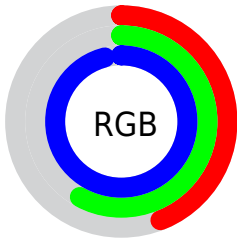
Format	Color
R _Y B	112, 140, 245
Decimal	7377909
CIE Lab	62.43, 15.48, -52.88
CIE LCh	62, 55.100, 286.317
Yxy	30.9048, 0.2166, 0.1993
Android (android.graphics.Color)	4285567989 (0xFF7093F5)
YUV	147.7070, 47.9654, -31.3150
Hunter-Lab	55.5921, 10.5907, -57.6914

Details

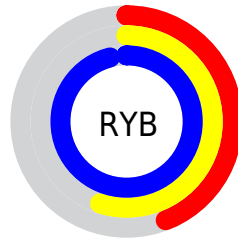
The XYZ color **33.5972, 30.9048, 90.5806** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.6291, 66.6780, 24.8475**, and the grayscale version is **27.8500, 29.3003, 31.9081**.

A 20% lighter version of the original color is **55.7312, 57.6512, 102.7982**, and **14.5241, 12.7846, 49.2791** is the 20% darker color. If you saturate the color by 10%, you get **28.3030, 24.3304, 89.5913**, and if you desaturate by 10%, it is **40.1824, 38.7995, 91.7580**.

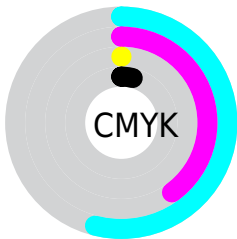
Distribution



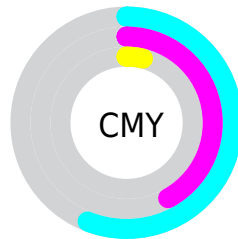
- Red (44%)
- Green (58%)
- Blue (96%)



- Red (44%)
- Yellow (55%)
- Blue (96%)



- Cyan (54%)
- Magenta (40%)
- Yellow (0%)
- Black (4%)



- Cyan (56%)
- Magenta (42%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5972, 30.9048, 90.5806 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 33.5972, 30.9048, 90.5806 by changing the saturation by 10% instead.

■ 33.5972, 30.9048,
90.5806

■ 33.5972, 30.9048,
90.5806

309.9498,
306.0995, 550.5365

■ 22.7458, 20.5264,
67.8859

■ 64.6553, 61.0902,
150.0872

■ 14.5255, 12.7782,
49.3388

■ 85.5926, 81.6659,
187.7361

■ 8.5712, 7.2760,
34.5208

■ 110.6225,
106.4095, 231.2068

■ 4.5174, 3.6353,
23.0134

140.1105,
135.7053, 280.9179

■ 1.9988, 1.4717,
14.3980

174.4219,
169.9379, 337.2878

■ 0.6333, 0.2687,
8.2561

213.9220,

■ 0.0000, 0.0000,

209.4915, 400.7352

4.1691

258.9762,
254.7506, 471.6786

■ 0.0000, 0.0000,
1.7186

■ 0.0000, 0.0000,
0.3734

■ 33.5972, 30.9048,
90.5806

■ 33.5972, 30.9048,
90.5806

■ 28.3030, 24.3304,
89.5913

■ 40.1824, 38.7995,
91.7580

■ 24.2049, 18.9957,
88.7776

■ 48.1365, 48.0820,
93.1305

■ 21.2002, 14.8155,
88.1291

■ 57.5358, 58.8186,
94.7074

■ 19.1646, 11.6897,
87.6330

■ 68.4492, 71.0702,
96.4971

■ 18.3415, 10.3126,
87.4106

■ 80.9414, 84.8944,
98.5070

■ 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.



26.1058, 30.9048, 91.5311



33.5972, 30.9048, 90.5806



41.0339, 30.9048, 70.8071

Triad

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



33.5972, 30.9048, 90.5806



40.4531, 30.9048, 11.8070



17.5118, 30.9048, 24.8274

Complementary

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



33.5972, 30.9048, 90.5806



63.6291, 66.6780, 24.8475

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.



20.1631, 30.9048, 12.4848



33.5972, 30.9048, 90.5806



32.9044, 30.9048, 7.4177

Square

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



33.5972, 30.9048, 90.5806



45.4277, 30.9048, 23.3654



25.5206, 30.9048, 7.5977



17.6331, 30.9048, 46.5811

Rectangle

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



33.5972, 30.9048, 90.5806



44.5890, 30.9048, 53.0251



25.5206, 30.9048, 7.5977



18.0860, 30.9048, 19.6839

Sweetspot

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



33.5984, 30.9058, 90.5814



72.7479, 75.3621, 105.3199



50.9105, 73.3804, 72.1503



15.0268, 15.5216, 22.4539



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.



33.5984, 30.9058, 90.5814



30.5630, 26.0945, 98.0336



33.6106, 24.0253, 89.2527



15.9357, 16.6358, 20.9137



9.9765, 5.7468, 47.1214



0.9574, 0.6662, 4.1684

Inverse Universe

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



48.7179, 33.1089, 31.4276



49.0576, 30.1362, 25.3728



63.3000, 80.7667, 27.5842



16.6781, 16.5541, 18.0517



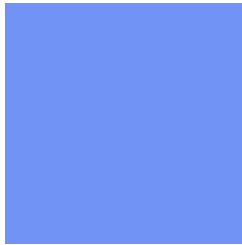
20.8402, 10.6795, 3.8669



1.8723, 0.9549, 0.5539

Previews

White Background



This preview shows how the XYZ color 33.5972, 30.9048, 90.5806 looks on a white background.

Color Contrast Check

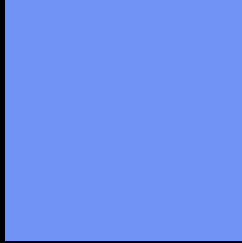
Large Text (above 18pt) WCAG AA × Fail

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 33.5972, 30.9048, 90.5806 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

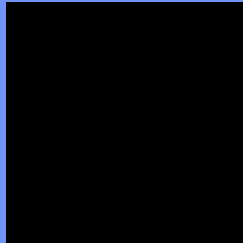
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5972, 30.9048, 90.5806

Background



This preview shows how black text looks on a background with the XYZ color 33.5972, 30.9048, 90.5806.



This preview shows how white text looks on a background with the XYZ color 33.5972, 30.9048,

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

33.5972, 30.9048, 90.5806

Protanopia

33.4707, 30.8395, 90.5747

Deuteranopia

31.9099, 30.9920, 89.8882



Tritanopia

24.5887, 30.9620, 45.2378

Trichromacy



Original Color

33.5972, 30.9048, 90.5806

Protanomaly

33.4707, 30.8395, 90.5747

Deuteranomaly

32.4910, 31.0537, 89.8694

Tritanomaly

27.3062, 30.7709, 59.1438

Monochromacy



Original Color

33.5972, 30.9048, 90.5806

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

29.1288, 29.7496, 49.0067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5972, 30.9048, 90.5806 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(112, 147, 245)` looks like.

```
.text, #text, p{  
    color:rgb(112, 147, 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(112, 147, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 147, 245) }
```

Border

The CSS property to change the border of an element to XYZ 33.5972, 30.9048, 90.5806 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(112, 147, 245) }
```


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

```
.border{ border-color:rgb(112, 147, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 147, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 147, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 147, 245);  
box-shadow:4px 4px 4px 4px rgb(112, 147,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5972, 30.9048, 90.5806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 147, 245) }
```

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

```
.background{ background-color: rgb(112,  
147, 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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