

Converting Colors

XYZ(30.8205, 34.8662, 70.4784)

Have a look what the booklet for
XYZ(30.8205, 34.8662, 70.4784)
contains.

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Color

**XYZ(30.9592, 35.0269,
70.7748)**

Conversions

Conversions Part 1

Format	Color
Hex	5EA7D9
RGB	94, 167, 217
RGB Percent	37%, 65%, 85%
CMY	0.6313, 0.3451, 0.1490
CMYK	0.57, 0.23, 0.00, 0.15
HSL	204°, 62%, 61%
HSV	204°, 57%, 85%
XYZ	30.9592, 35.0269, 70.7748
YIQ	150.8730, -59.5580, 0.0740

Conversions

Conversions Part 2

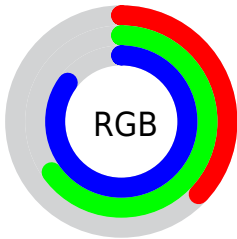
Format	Color
RYB	94, 140, 217
Decimal	6203353
CIELab	65.77, -8.43, -32.27
CIELCh	66, 33.350, 255.354
Yxy	35.0269, 0.2264, 0.2561
Android (android.graphics.Color)	4284393433 (0xFF5EA7D9)
YUV	150.8730, 32.6006, -49.8776
Hunter-Lab	59.1835, -10.1969, -29.4737

Details

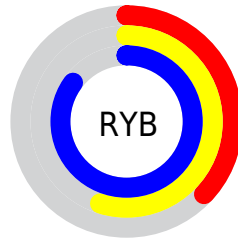
The XYZ color **30.9592, 35.0269, 70.7748** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **40.6101, 35.5080, 15.3044**, and the grayscale version is **29.2456, 30.7687, 33.5071**.

A 20% lighter version of the original color is **57.1202, 66.1380, 104.3631**, and **13.0057, 15.0523, 36.4023** is the 20% darker color. If you saturate the color by 10%, you get **27.4777, 30.9149, 70.1653**, and if you desaturate by 10%, it is **35.1788, 39.6843, 71.4520**.

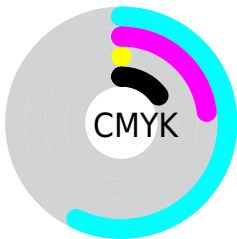
Distribution



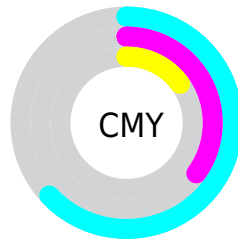
- Red (37%)
- Green (65%)
- Blue (85%)



- Red (37%)
- Yellow (55%)
- Blue (85%)



- Cyan (57%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)



- Cyan (63%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9592, 35.0269, 70.7748 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 30.9592, 35.0269, 70.7748 by changing the saturation by 10% instead.

■ 30.9592, 35.0269,
70.7748

■ 30.9592, 35.0269,
70.7748

298.1805,
324.6871, 482.1282

■ 20.7195, 23.6836,
51.6777

■ 60.5521, 67.5274,
122.0045

■ 13.0304, 15.0991,
36.3678

■ 80.6360, 89.4535,
154.9742

■ 7.5266, 8.8890,
24.4264

■ 104.7320,
115.6759, 193.4051

■ 3.8428, 4.6688,
15.4351

■ 133.2054,
146.5790, 237.7159

■ 1.6136, 2.0543,
8.9753

166.4216,
182.5473, 288.3251

■ 0.4012, 0.6387,
4.6285

204.7459,

■ 0.0000, 0.0000,

223.9651, 345.6512

1.9761

248.5438,
271.2169, 410.1127

■ 0.0000, 0.0000,
0.5405

■ 0.0000, 0.0000,
0.0000

■ 30.9592, 35.0269,
70.7748

■ 30.9592, 35.0269,
70.7748

■ 27.4777, 30.9149,
70.1653

■ 35.1788, 39.6843,
71.4520

■ 24.6745, 27.3124,
69.6177

■ 40.1826, 44.9122,
72.1974

■ 22.4856, 24.1837,
69.1291

■ 46.0169, 50.7380,
73.0144

■ 20.8277, 21.4823,
68.6951

■ 52.7233, 57.1863,
73.9056

■ 20.3469, 20.6546,
68.5607

■ 60.3402, 64.2798,
74.8733

■ 68.9039, 72.0398,
75.9198

■ 78.4484, 80.4869,
77.0472

■ 84.2148, 87.1703,
78.0333

■ 86.8402, 92.4212,
78.9084

Harmonies

Analogous

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



27.0827, 35.0269, 60.8170



30.9592, 35.0269, 70.7748



35.8575, 35.0269, 70.6442

Triad

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



30.9592, 35.0269, 70.7748



43.2620, 35.0269, 31.4114



27.0108, 35.0269, 22.1052

Complementary

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



30.9592, 35.0269, 70.7748



40.6101, 35.5080, 15.3044

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.



30.8519, 35.0269, 17.5398



30.9592, 35.0269, 70.7748



40.3845, 35.0269, 21.9413

Square

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



30.9592, 35.0269, 70.7748



43.2980, 35.0269, 45.3993



35.7392, 35.0269, 17.4882



24.9601, 35.0269, 31.6961

Rectangle

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



30.9592, 35.0269, 70.7748



39.0652, 35.0269, 64.7456



35.7392, 35.0269, 17.4882



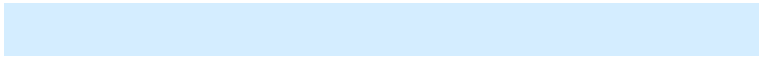
28.1176, 35.0269, 20.0489

Sweetspot

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



30.9604, 35.0282, 70.7757



75.4943, 81.9525, 106.4472



34.4032, 53.9956, 34.6766



15.7199, 17.1240, 22.7267



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.



30.9604, 35.0282, 70.7757



38.7419, 43.4898, 100.9602



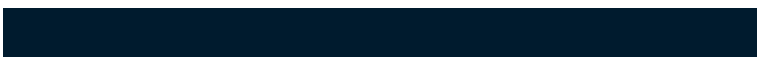
22.3268, 17.7609, 67.8978



12.9779, 13.8956, 16.6502



12.4231, 12.7155, 41.5380



0.8887, 0.9914, 2.7190

Inverse Universe

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



39.5941, 25.5484, 39.4050



52.9327, 30.7166, 48.7681



52.3962, 59.0801, 19.2331



13.3787, 13.1806, 15.2555



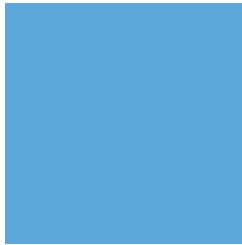
19.7659, 9.9074, 13.6792



1.3228, 0.6588, 1.1090

Previews

White Background



This preview shows how the XYZ color 30.9592, 35.0269, 70.7748 looks on a white background.

Color Contrast Check

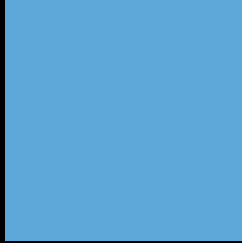
Large Text (above 18pt) WCAG AA × Fail

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 30.9592, 35.0269, 70.7748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

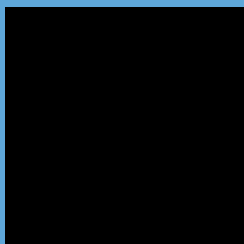
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

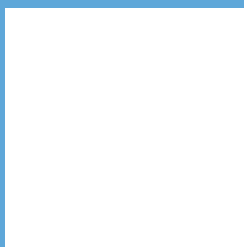
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9592, 35.0269, 70.7748

Background



This preview shows how black text looks on a background with the XYZ color 30.9592, 35.0269, 70.7748.

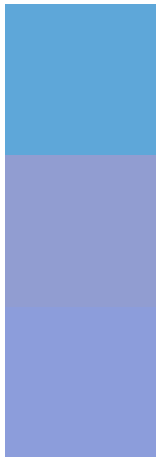


This preview shows how white text looks on a background with the XYZ color 30.9592, 35.0269,

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

30.9592, 35.0269, 70.7748

Protanopia

35.2426, 34.7371, 65.1691

Deuteranopia

35.6584, 34.8039, 71.8563



Tritanopia

27.2862, 35.2261, 51.8156

Trichromacy



Original Color

30.9592, 35.0269, 70.7748

Protanomaly

33.2327, 34.6788, 67.2295

Deuteranomaly

33.5681, 34.7626, 71.2703

Tritanomaly

28.4787, 35.1355, 58.1042

Monochromacy



Original Color

30.9592, 35.0269, 70.7748

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.0008, 31.9549, 45.1969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9592, 35.0269, 70.7748 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(94, 167, 217)` looks like.

```
.text, #text, p{  
    color:rgb(94, 167, 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(94, 167, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 167, 217) }
```

Border

The CSS property to change the border of an element to XYZ 30.9592, 35.0269, 70.7748 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(94, 167, 217) }
```


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

```
.border{ border-color:rgb(94, 167, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 167, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 167, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 167, 217);  
box-shadow:4px 4px 4px 4px rgb(94, 167,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9592, 35.0269, 70.7748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 167, 217) }
```

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

```
.background{ background-color: rgb(94, 167,  
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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