

Converting Colors

XYZ(33.6993, 35.6923, 88.2921)

Have a look what the booklet for
XYZ(33.6993, 35.6923, 88.2921)
contains.

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Color

**XYZ(33.7299, 35.7970,
88.3508)**

Conversions

Conversions Part 1

Format	Color
Hex	5AA6F1
RGB	90, 166, 241
RGB Percent	35%, 65%, 95%
CMY	0.6470, 0.3490, 0.0549
CMYK	0.63, 0.31, 0.00, 0.05
HSL	210°, 84%, 65%
HSV	210°, 63%, 95%
XYZ	33.7299, 35.7970, 88.3508
YIQ	151.8260, -69.3710, 7.2130

Conversions

Conversions Part 2

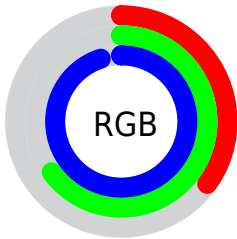
Format	Color
R _Y B	90, 141, 241
Decimal	5940977
CIE Lab	66.36, -1.03, -44.54
CIE LCh	66, 44.548, 268.681
Yxy	35.7970, 0.2136, 0.2267
Android (android.graphics.Color)	4284131057 (0xFF5AA6F1)
YUV	151.8260, 43.9628, -54.2214
Hunter-Lab	59.8306, -4.0730, -45.6711

Details

The XYZ color **33.7299, 35.7970, 88.3508** 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 **51.5783, 46.3523, 15.9032**, and the grayscale version is **29.6096, 31.1516, 33.9241**.

A 20% lighter version of the original color is **56.8553, 65.6083, 104.2748**, and **14.8877, 15.7643, 48.1571** is the 20% darker color. If you saturate the color by 10%, you get **29.6787, 30.6276, 87.5673**, and if you desaturate by 10%, it is **38.7459, 41.7656, 89.2392**.

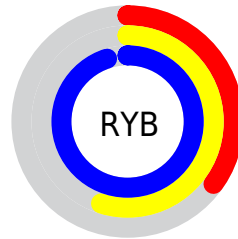
Distribution



Red (35%)

Green (65%)

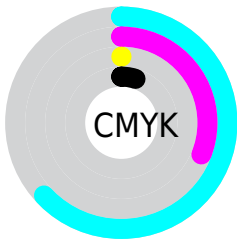
Blue (95%)



Red (35%)

Yellow (55%)

Blue (95%)

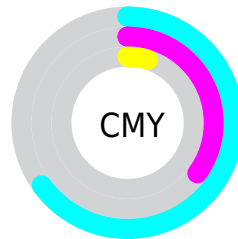


Cyan (63%)

Magenta (31%)

Yellow (0%)

Black (5%)



Cyan (65%)

Magenta (35%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7299, 35.7970, 88.3508 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 33.7299, 35.7970, 88.3508 by changing the saturation by 10% instead.

■ 33.7299, 35.7970,
88.3508

■ 33.7299, 35.7970,
88.3508

310.5332,
328.0724, 543.0824

■ 22.8481, 24.2775,
66.0476

■ 64.8605, 68.7186,
146.9609

■ 14.6014, 15.5396,
47.8544

■ 85.8400, 90.8895,
184.1049

■ 8.6246, 9.1989,
33.3524

■ 110.9161,
117.3796, 227.0329

■ 4.5523, 4.8712,
22.1232

■ 140.4542,
148.5733, 276.1635

■ 2.0191, 2.1719,
13.7483

174.8196,
184.8551, 331.9152

■ 0.6447, 0.7046,
7.8091

214.3776,

■ 0.0000, 0.0000,

226.6092, 394.7066

3.8870

259.4937,
274.2202, 464.9561

■ 0.0000, 0.0000,
1.5636

■ 0.0000, 0.0000,
0.2646

■ 33.7299, 35.7970,
88.3508

■ 33.7299, 35.7970,
88.3508

■ 29.6787, 30.6276,
87.5673

■ 38.7459, 41.7656,
89.2392

■ 26.5064, 26.2032,
86.8805

■ 44.7944, 48.5745,
90.2347

■ 24.1160, 22.4660,
86.2851

■ 51.9409, 56.2655,
91.3425

■ 22.7505, 20.0973,
85.8999

■ 60.2440, 64.8762,
92.5669

■ 69.7580, 74.4416,
93.9118

■ 80.5334, 84.9946,
95.3808

■ 91.2398, 95.8559,
96.9130

■ 92.8773, 99.1309,
97.4588

Harmonies

Analogous

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



27.7911, 35.7970, 79.4603



33.7299, 35.7970, 88.3508



40.5484, 35.7970, 80.8261

Triad

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



33.7299, 35.7970, 88.3508



46.5428, 35.7970, 23.8901



24.2134, 35.7970, 22.8499

Complementary

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



33.7299, 35.7970, 88.3508



51.5783, 46.3523, 15.9032

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.



28.2399, 35.7970, 14.8403



33.7299, 35.7970, 88.3508



41.1253, 35.7970, 15.2885

Square

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



33.7299, 35.7970, 88.3508



48.5019, 35.7970, 39.8276



34.3198, 35.7970, 12.6041



22.7586, 35.7970, 38.1383

Rectangle

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



33.7299, 35.7970, 88.3508



44.5782, 35.7970, 68.5582



34.3198, 35.7970, 12.6041



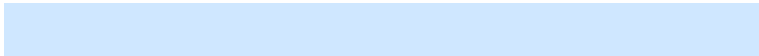
25.2828, 35.7970, 19.4280

Sweetspot

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



33.7312, 35.7982, 88.3517



72.2142, 77.5359, 105.7676



42.2827, 67.7291, 45.4893



14.8171, 15.9473, 22.5471



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.



33.7312, 35.7982, 88.3517



32.7198, 33.4449, 99.3387



23.9674, 16.2707, 85.0971



15.5547, 16.5435, 20.0950



12.4721, 11.1685, 46.6263



1.1371, 1.1282, 3.9120

Inverse Universe

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



46.8160, 28.7680, 39.1627



49.4049, 27.4369, 35.9518



68.8375, 80.8708, 21.6563



16.1047, 15.8916, 18.1074



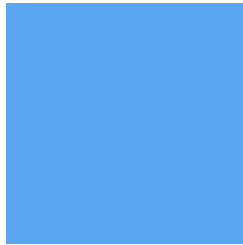
21.6210, 10.9208, 11.1866



1.8489, 0.9286, 1.1952

Previews

White Background



This preview shows how the XYZ color 33.7299, 35.7970, 88.3508 looks on a white background.

Color Contrast Check

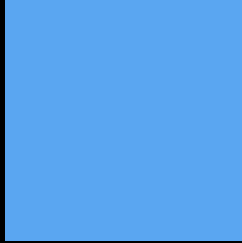
Large Text (above 18pt) WCAG AA × Fail

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 33.7299, 35.7970, 88.3508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

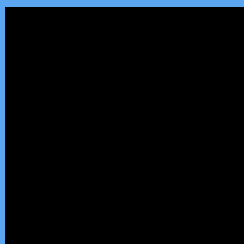
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

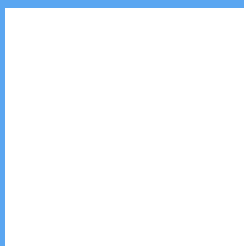
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7299, 35.7970, 88.3508

Background



This preview shows how black text looks on a background with the XYZ color 33.7299, 35.7970, 88.3508.



This preview shows how white text looks on a background with the XYZ color 33.7299, 35.7970,

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

33.7299, 35.7970, 88.3508

Protanopia

37.0698, 35.5451, 82.7490

Deuteranopia

36.6239, 35.6900, 88.9630



Tritanopia

26.9996, 35.8922, 54.2201

Trichromacy



Original Color

33.7299, 35.7970, 88.3508

Protanomaly

35.6387, 35.5261, 85.0996

Deuteranomaly

35.3778, 35.5665, 89.0048

Tritanomaly

29.0852, 35.5643, 65.6533

Monochromacy



Original Color

33.7299, 35.7970, 88.3508

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7620, 32.2418, 50.0021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7299, 35.7970, 88.3508 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, 166, 241)` looks like.

```
.text, #text, p{  
    color:rgb(90, 166, 241)  
}
```

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, 166, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 166, 241) }
```

Border

The CSS property to change the border of an element to XYZ 33.7299, 35.7970, 88.3508 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, 166, 241) }
```


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

```
.border{ border-color:rgb(90, 166, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 166, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 166, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 166, 241);  
box-shadow:4px 4px 4px 4px rgb(90, 166,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7299, 35.7970, 88.3508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 166, 241) }
```

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

```
.background{ background-color: rgb(90, 166,  
241) }
```

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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