

Converting Colors

XYZ(33.5873, 35.8420, 70.7936)

Have a look what the booklet for
XYZ(33.5873, 35.8420, 70.7936)
contains.

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Color

**XYZ(33.5873, 35.8420,
70.7936)**

Conversions

Conversions Part 1

Format	Color
Hex	77A5D9
RGB	119, 165, 217
RGB Percent	47%, 65%, 85%
CMY	0.5333, 0.3529, 0.1490
CMYK	0.45, 0.24, 0.00, 0.15
HSL	212°, 56%, 66%
HSV	212°, 45%, 85%
XYZ	33.5873, 35.8420, 70.7936
YIQ	157.1740, -44.1080, 6.4200

Conversions

Conversions Part 2

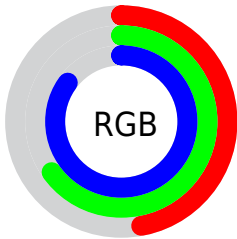
Format	Color
R _Y B	119, 150, 217
Decimal	7841241
CIE Lab	66.40, -1.67, -31.20
CIE LCh	66, 31.241, 266.928
Yxy	35.8420, 0.2395, 0.2556
Android (android.graphics.Color)	4286031321 (0xFF77A5D9)
YUV	157.1740, 29.4942, -33.4786
Hunter-Lab	59.8682, -4.6271, -28.2022

Details

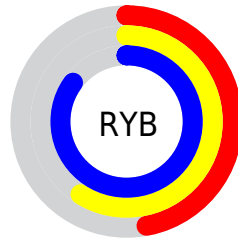
The XYZ color **33.5873, 35.8420, 70.7936** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.5090, 45.2107, 23.7294**, and the grayscale version is **32.0128, 33.6800, 36.6775**.

A 20% lighter version of the original color is **61.3224, 67.5204, 104.4084**, and **14.4766, 15.4757, 36.4065** is the 20% darker color. If you saturate the color by 10%, you get **28.9581, 30.5106, 70.0092**, and if you desaturate by 10%, it is **39.0858, 41.9005, 71.6739**.

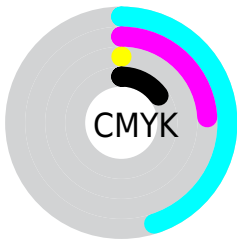
Distribution



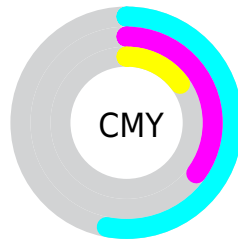
- Red (47%)
- Green (65%)
- Blue (85%)



- Red (47%)
- Yellow (59%)
- Blue (85%)



- Cyan (45%)
- Magenta (24%)
- Yellow (0%)
- Black (15%)



- Cyan (53%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5873, 35.8420, 70.7936 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 33.5873, 35.8420, 70.7936 by changing the saturation by 10% instead.

■ 33.5873, 35.8420,
70.7936

■ 33.5873, 35.8420,
70.7936

309.9063,
328.2694, 482.1958

■ 22.7381, 24.3122,
51.6930

■ 64.6399, 68.7881,
122.0315

■ 14.5199, 15.5654,
36.3799

■ 85.5741, 90.9732,
155.0059

■ 8.5672, 9.2171,
24.4357

■ 110.6006,
117.4789, 193.4419

■ 4.5148, 4.8831,
15.4420

140.0849,
148.6895, 237.7581

■ 1.9973, 2.1788,
8.9801

174.3922,
184.9895, 288.3731

■ 0.6325, 0.7084,
4.6316

213.8880,

■ 0.0000, 0.0000,

226.7632, 345.7053

1.9778

258.9376,
274.3951, 410.1734

■ 0.0000, 0.0000,
0.5416

■ 0.0000, 0.0000,
0.0000

■ 33.5873, 35.8420,
70.7936

■ 33.5873, 35.8420,
70.7936

■ 28.9581, 30.5106,
70.0092

■ 39.0858, 41.9005,
71.6739

■ 25.1428, 25.8684,
69.3142

■ 45.4971, 48.7135,
72.6510

■ 22.0846, 21.8793,
68.7054

■ 52.8660, 56.3116,
73.7292

■ 19.7169, 18.5008,
68.1781

■ 61.2332, 64.7221,
74.9116

■ 17.9588, 15.6831,
67.7269

■ 70.6367, 73.9712,
76.2012

■ 17.2619, 14.4846,
67.5323

■ 81.1127, 84.0835,
77.6009

■ 86.5997, 91.9402,
78.8282

■ 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.



29.3928, 35.8420, 64.8208



33.5873, 35.8420, 70.7936



38.3023, 35.8420, 66.7750

Triad

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



33.5873, 35.8420, 70.7936



42.7268, 35.8420, 28.4887



27.0751, 35.8420, 26.5950

Complementary

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



33.5873, 35.8420, 70.7936



46.5090, 45.2107, 23.7294

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.



30.1555, 35.8420, 20.2777



33.5873, 35.8420, 70.7936



39.2116, 35.8420, 21.1825

Square

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



33.5873, 35.8420, 70.7936



43.8552, 35.8420, 40.4218



34.5507, 35.8420, 18.5490



25.8553, 35.8420, 37.6624

Rectangle

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



33.5873, 35.8420, 70.7936



41.0648, 35.8420, 59.3808



34.5507, 35.8420, 18.5490



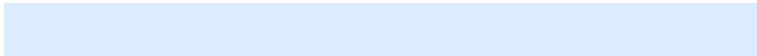
27.9126, 35.8420, 23.9518

Sweetspot

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



33.5885, 35.8433, 70.7945



77.3657, 82.3505, 106.4254



39.6428, 56.4370, 46.6540



16.0318, 17.0894, 22.7036



0.0000, 0.0000, 0.0000



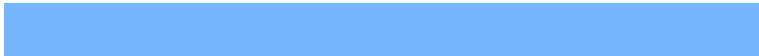
20.3446, 21.4041, 23.3091

Same Dimension

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



33.5885, 35.8433, 70.7945



42.1411, 44.4519, 100.9667



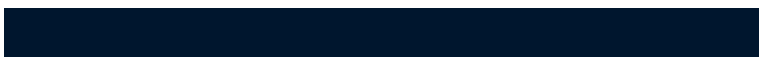
26.9564, 22.2433, 68.5189



12.8401, 13.6199, 16.6043



10.5532, 8.9759, 40.9147



0.7695, 0.7530, 2.6792

Inverse Universe

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



42.0047, 30.6633, 39.3034



56.0730, 37.4273, 48.4894



56.2756, 65.4610, 27.1234



13.3091, 13.1528, 14.8892



18.8221, 9.5299, 8.7092



1.2627, 0.6347, 0.7922

Previews

White Background



This preview shows how the XYZ color 33.5873, 35.8420, 70.7936 looks on a white background.

Color Contrast Check

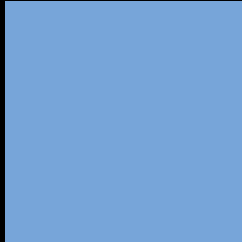
Large Text (above 18pt) WCAG AA × Fail

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 33.5873, 35.8420, 70.7936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

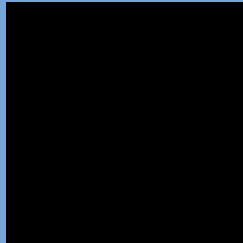
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

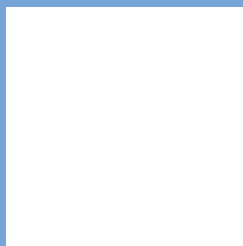
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5873, 35.8420, 70.7936

Background



This preview shows how black text looks on a background with the XYZ color 33.5873, 35.8420, 70.7936.

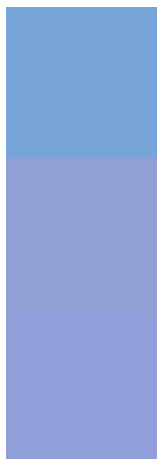


This preview shows how white text looks on a background with the XYZ color 33.5873, 35.8420,

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

33.5873, 35.8420, 70.7936

Protanopia

36.1359, 35.6607, 67.2660

Deuteranopia

36.5546, 35.7875, 71.3107



Tritanopia

29.7503, 35.9436, 51.2687

Trichromacy



Original Color

33.5873, 35.8420, 70.7936

Protanomaly

35.0358, 35.5790, 68.6392

Deuteranomaly

35.3914, 35.7026, 71.3556

Tritanomaly

31.0761, 35.9179, 58.1183

Monochromacy



Original Color

33.5873, 35.8420, 70.7936

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.0352, 34.2359, 47.5676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5873, 35.8420, 70.7936 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(119, 165, 217)` looks like.

```
.text, #text, p{  
    color:rgb(119, 165, 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(119, 165, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 165, 217) }
```

Border

The CSS property to change the border of an element to XYZ 33.5873, 35.8420, 70.7936 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(119, 165, 217) }
```


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

```
.border{ border-color:rgb(119, 165, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 165, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 165, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 165, 217);  
box-shadow:4px 4px 4px 4px rgb(119, 165,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5873, 35.8420, 70.7936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 165, 217) }
```

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

```
.background{ background-color: rgb(119,  
165, 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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