

Converting Colors

XYZ(33.1489, 37.1833, 70.6182)

Have a look what the booklet for
XYZ(33.1489, 37.1833, 70.6182)
contains.

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Color

**XYZ(33.1419, 37.2718,
70.4132)**

Conversions

Conversions Part 1

Format	Color
Hex	6CABD8
RGB	108, 171, 216
RGB Percent	42%, 67%, 85%
CMY	0.5765, 0.3294, 0.1529
CMYK	0.50, 0.21, 0.00, 0.15
HSL	205°, 58%, 64%
HSV	205°, 50%, 85%
XYZ	33.1419, 37.2718, 70.4132
YIQ	157.2930, -51.9930, 0.6390

Conversions

Conversions Part 2

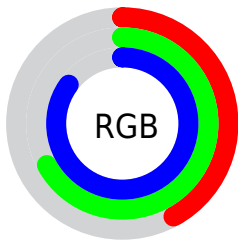
Format	Color
R _Y B	108, 148, 216
Decimal	7121880
CIE Lab	67.48, -7.90, -29.02
CIE LCh	67, 30.078, 254.763
Yxy	37.2718, 0.2353, 0.2647
Android (android.graphics.Color)	4285311960 (0xFF6CABD8)
YUV	157.2930, 28.9426, -43.2300
Hunter-Lab	61.0506, -9.9382, -25.6471

Details

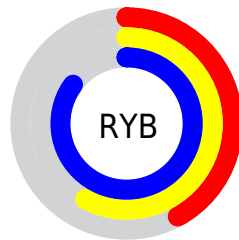
The XYZ color **33.1419, 37.2718, 70.4132** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **42.4180, 38.4655, 19.3776**, and the grayscale version is **32.0713, 33.7415, 36.7445**.

A 20% lighter version of the original color is **60.7634, 69.6120, 104.8416**, and **14.2965, 16.4198, 36.1341** is the 20% darker color. If you saturate the color by 10%, you get **29.1907, 32.7972, 69.7585**, and if you desaturate by 10%, it is **37.8620, 42.3162, 71.1388**.

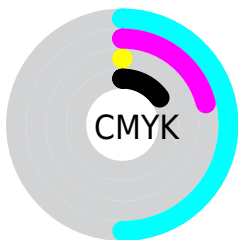
Distribution



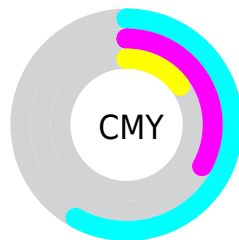
- Red (42%)
- Green (67%)
- Blue (85%)



- Red (42%)
- Yellow (58%)
- Blue (85%)



- Cyan (50%)
- Magenta (21%)
- Yellow (0%)
- Black (15%)



- Cyan (58%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1419, 37.2718, 70.4132 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 33.1419, 37.2718, 70.4132 by changing the saturation by 10% instead.

■ 33.1419, 37.2718,
70.4132

■ 33.1419, 37.2718,
70.4132

307.9423,
334.4858, 480.8278

■ 22.3949, 25.4180,
51.3846

■ 63.9502, 70.9906,
121.4845

■ 14.2656, 16.3888,
36.1359

■ 84.7422, 93.6244,
154.3642

■ 8.3886, 9.7997,
24.2487

■ 109.6134,
120.6204, 192.6980

■ 4.3985, 5.2663,
15.3043

138.9289,
152.3628, 236.9045

■ 1.9299, 2.4044,
8.8842

173.0542,
189.2362, 287.4022

■ 0.5941, 0.8281,
4.5700

212.3546,

■ 0.0000, 0.0000,

231.6249, 344.6096

1.9429

257.1956,
279.9133, 408.9453

■ 0.0000, 0.0000,
0.5199

■ 0.0000, 0.0000,
0.0000

■ 33.1419, 37.2718,
70.4132

■ 33.1419, 37.2718,
70.4132

■ 29.1907, 32.7972,
69.7585

■ 37.8620, 42.3162,
71.1388

■ 25.9535, 28.8584,
69.1688

■ 43.3936, 47.9532,
71.9353

■ 23.3733, 25.4232,
68.6417

■ 49.7801, 54.2094,
72.8063

■ 21.3813, 22.4527,
68.1734

■ 57.0606, 61.1080,
73.7541

■ 19.8560, 19.8803,
67.7572

■ 65.2719, 68.6709,
74.7811

■ 19.8557, 19.8798,
67.7572

■ 74.4484, 76.9189,
75.8895

■ 83.0585, 85.0653,
77.0081

■ 85.6863, 90.3209,
77.8840

■ 88.4462, 95.8407,
78.8040

Harmonies

Analogous

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



29.4850, 37.2718, 61.2646



33.1419, 37.2718, 70.4132



37.7381, 37.2718, 70.4918

Triad

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



33.1419, 37.2718, 70.4132



44.7293, 37.2718, 34.4384



29.5310, 37.2718, 25.0657

Complementary

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



33.1419, 37.2718, 70.4132



42.4180, 38.4655, 19.3776

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.



33.2098, 37.2718, 20.6168



33.1419, 37.2718, 70.4132



42.1152, 37.2718, 25.1737

Square

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



33.1419, 37.2718, 70.4132



44.7071, 37.2718, 47.6431



37.8121, 37.2718, 20.6515



27.5269, 37.2718, 34.2566

Rectangle

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



33.1419, 37.2718, 70.4132



40.7364, 37.2718, 65.2778



37.8121, 37.2718, 20.6515



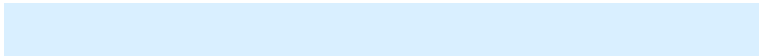
30.5979, 37.2718, 23.0642

Sweetspot

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



33.1431, 37.2732, 70.4141



77.4758, 83.7030, 106.6806



36.4911, 54.6008, 38.7541



16.1075, 17.4636, 22.7718



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.



33.1431, 37.2732, 70.4141



42.2148, 47.4155, 101.5349



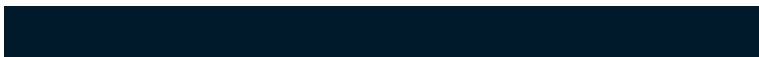
24.9416, 20.8700, 67.6802



12.3384, 13.2002, 15.8351



11.8613, 11.9843, 40.1412



0.7963, 0.8846, 2.4481

Inverse Universe

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



41.0332, 28.2656, 41.8225



55.4229, 34.5353, 53.1794



53.3394, 60.3082, 23.0181



12.7240, 12.5411, 14.4868



19.0459, 9.5547, 12.8115



1.1896, 0.5926, 0.9877

Previews

White Background



This preview shows how the XYZ color 33.1419, 37.2718, 70.4132 looks on a white background.

Color Contrast Check

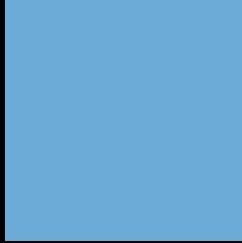
Large Text (above 18pt) WCAG AA × Fail

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 33.1419, 37.2718, 70.4132 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 33.1419, 37.2718, 70.4132

Background



This preview shows how black text looks on a background with the XYZ color 33.1419, 37.2718, 70.4132.

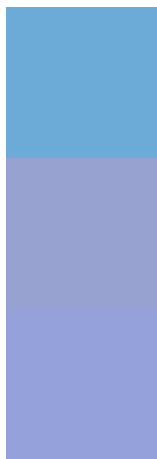


This preview shows how white text looks on a background with the XYZ color 33.1419, 37.2718,

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

33.1419, 37.2718, 70.4132

Protanopia

37.1915, 37.0234, 65.5076

Deuteranopia

37.7942, 36.9413, 71.4681



Tritanopia

29.9652, 37.4210, 54.3588

Trichromacy



Original Color

33.1419, 37.2718, 70.4132

Protanomaly

35.3305, 36.8146, 67.5312

Deuteranomaly

35.8110, 36.9884, 70.8977

Tritanomaly

30.9243, 37.2204, 59.5872

Monochromacy



Original Color

33.1419, 37.2718, 70.4132

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.6037, 34.5440, 47.1214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1419, 37.2718, 70.4132 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, 171, 216)` looks like.

```
.text, #text, p{  
    color:rgb(108, 171, 216)  
}
```

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, 171, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 171, 216) }
```

Border

The CSS property to change the border of an element to XYZ 33.1419, 37.2718, 70.4132 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, 171, 216) }
```


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

```
.border{ border-color:rgb(108, 171, 216) }
```

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

Here you see how a box with a 4 pixel rgb(108, 171, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 171, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 171, 216);  
box-shadow:4px 4px 4px 4px rgb(108, 171,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1419, 37.2718, 70.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 171, 216) }
```

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

```
.background{ background-color: rgb(108,  
171, 216) }
```

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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