

Converting Colors

XYZ(31.3281, 37.0902, 70.4311)

Have a look what the booklet for
XYZ(31.3281, 37.0902, 70.4311)
contains.

XYZ(31.3685, 37.2084, 70.4944)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.3685, 37.2084,
70.4944)**

Conversions

Conversions Part 1

Format	Color
Hex	56AED8
RGB	86, 174, 216
RGB Percent	34%, 68%, 85%
CMY	0.6627, 0.3176, 0.1529
CMYK	0.60, 0.19, 0.00, 0.15
HSL	199°, 62%, 59%
HSV	199°, 60%, 85%
XYZ	31.3685, 37.2084, 70.4944
YIQ	152.4760, -65.9300, -5.5940

Conversions

Conversions Part 2

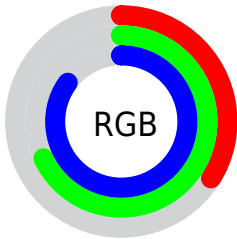
Format	Color
R _Y B	86, 138, 216
Decimal	5680856
CIE Lab	67.43, -14.09, -29.17
CIE LCh	67, 32.395, 244.212
Yxy	37.2084, 0.2256, 0.2675
Android (android.graphics.Color)	4283870936 (0xFF56AED8)
YUV	152.4760, 31.3173, -58.2995
Hunter-Lab	60.9987, -14.9543, -25.8206

Details

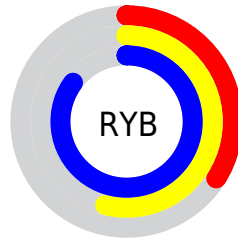
The XYZ color **31.3685, 37.2084, 70.4944** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **37.7191, 30.7109, 12.7454**, and the grayscale version is **29.9412, 31.5005, 34.3041**.

A 20% lighter version of the original color is **57.9234, 69.3696, 104.9445**, and **13.3926, 16.4923, 36.1957** is the 20% darker color. If you saturate the color by 10%, you get **28.3588, 33.7078, 69.9781**, and if you desaturate by 10%, it is **35.0515, 41.1615, 71.0640**.

Distribution



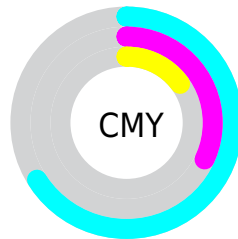
- Red (34%)
- Green (68%)
- Blue (85%)



- Red (34%)
- Yellow (54%)
- Blue (85%)



- Cyan (60%)
- Magenta (19%)
- Yellow (0%)
- Black (15%)



- Cyan (66%)
- Magenta (32%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3685, 37.2084, 70.4944 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 31.3685, 37.2084, 70.4944 by changing the saturation by 10% instead.

■ 31.3685, 37.2084,
70.4944

■ 31.3685, 37.2084,
70.4944

300.0291,
334.2119, 481.1200

■ 21.0328, 25.3689,
51.4504

■ 61.1917, 70.8932,
121.6013

■ 13.2606, 16.3521,
36.1880

■ 81.4099, 93.5073,
154.5012

■ 7.6865, 9.7737,
24.2886

■ 105.6530,
120.4816, 192.8569

■ 3.9451, 5.2491,
15.3336

■ 134.2863,
152.2007, 237.0868

■ 1.6711, 2.3942,
8.9047

167.6752,
189.0489, 287.6095

■ 0.4381, 0.8229,
4.5831

206.1851,

■ 0.0000, 0.0000,

231.4105, 344.8436

1.9504

250.1812,
279.6701, 409.2076

■ 0.0000, 0.0000,
0.5245

■ 0.0000, 0.0000,
0.0000

■ 31.3685, 37.2084,
70.4944

■ 31.3685, 37.2084,
70.4944

■ 28.3588, 33.7078,
69.9781

■ 35.0515, 41.1615,
71.0640

■ 25.9616, 30.6247,
69.5093

■ 39.4542, 45.5905,
71.6869

■ 24.1106, 27.9239,
69.0856

■ 44.6229, 50.5214,
72.3662

■ 22.7069, 25.5821,
68.7075

■ 50.5987, 55.9768,
73.1042

■ 57.4197, 61.9779,
73.9031

■ 65.1216, 68.5444,
74.7646

■ 73.7376, 75.6949,
75.6906

■ 81.8847, 82.7176,
76.6168

■ 83.8640, 86.6762,
77.2765

Harmonies

Analogous

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



28.0361, 37.2084, 57.9344



31.3685, 37.2084, 70.4944



36.0721, 37.2084, 74.4009

Triad

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



31.3685, 37.2084, 70.4944



45.7789, 37.2084, 38.5362



30.2594, 37.2084, 21.8323

Complementary

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



31.3685, 37.2084, 70.4944



37.7191, 30.7109, 12.7454

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.



34.6681, 37.2084, 18.8881



31.3685, 37.2084, 70.4944



43.8723, 37.2084, 26.9902

Square

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



31.3685, 37.2084, 70.4944



44.6878, 37.2084, 53.6259



39.6883, 37.2084, 20.5278



27.4391, 37.2084, 29.7346

Rectangle

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



31.3685, 37.2084, 70.4944



39.4317, 37.2084, 70.9555



39.6883, 37.2084, 20.5278



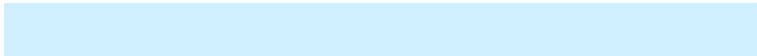
31.5889, 37.2084, 20.3264

Sweetspot

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



31.3697, 37.2098, 70.4953



75.5831, 83.2106, 106.6853



32.2365, 52.6278, 28.5966



15.5884, 17.2836, 22.7644



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.



31.3697, 37.2098, 70.4953



40.3463, 47.9114, 101.7291



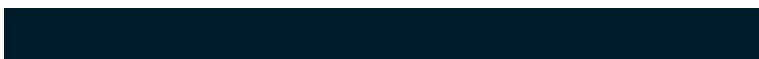
21.7918, 18.0539, 67.3027



12.4383, 13.3999, 15.8684



13.5417, 15.3452, 40.7013



0.8903, 1.0727, 2.4794

Inverse Universe

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



39.2878, 24.3119, 42.6676



53.4464, 29.7886, 54.9680



48.8860, 53.0446, 16.4677



12.7744, 12.5613, 14.7523



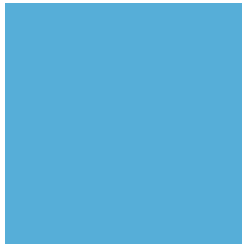
19.8941, 9.8940, 17.2781



1.2371, 0.6116, 1.2377

Previews

White Background



This preview shows how the XYZ color 31.3685, 37.2084, 70.4944 looks on a white background.

Color Contrast Check

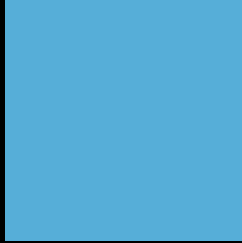
Large Text (above 18pt) WCAG AA × Fail

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 31.3685, 37.2084, 70.4944 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

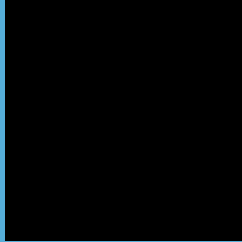
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.3685, 37.2084, 70.4944

Background



This preview shows how black text looks on a background with the XYZ color 31.3685, 37.2084, 70.4944.

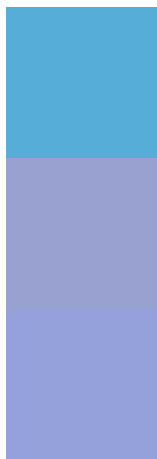


This preview shows how white text looks on a background with the XYZ color 31.3685, 37.2084,

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

31.3685, 37.2084, 70.4944

Protanopia

36.9562, 36.6701, 64.1617

Deuteranopia

37.7438, 36.9001, 72.1510



Tritanopia

28.5265, 37.2275, 56.1342

Trichromacy



Original Color

31.3685, 37.2084, 70.4944

Protanomaly

34.1712, 36.5148, 66.2198

Deuteranomaly

34.7486, 36.6944, 71.5809

Tritanomaly

29.5730, 37.3668, 60.9122

Monochromacy



Original Color

31.3685, 37.2084, 70.4944

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.2108, 32.8260, 45.3539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3685, 37.2084, 70.4944 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(86, 174, 216)` looks like.

```
.text, #text, p{  
    color:rgb(86, 174, 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(86, 174, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 174, 216) }
```

Border

The CSS property to change the border of an element to XYZ 31.3685, 37.2084, 70.4944 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(86, 174, 216) }
```


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

```
.border{ border-color:rgb(86, 174, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 174, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 174, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 174, 216);  
box-shadow:4px 4px 4px 4px rgb(86, 174,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3685, 37.2084, 70.4944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 174, 216) }
```

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

```
.background{ background-color: rgb(86, 174,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor