

Converting Colors

XYZ(31.2647, 36.9912, 61.5898)

Have a look what the booklet for
XYZ(31.2647, 36.9912, 61.5898)
contains.

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Color

**XYZ(31.3132, 37.0945,
61.3867)**

Conversions

Conversions Part 1

Format	Color
Hex	68ADCA
RGB	104, 173, 202
RGB Percent	41%, 68%, 79%
CMY	0.5921, 0.3216, 0.2078
CMYK	0.49, 0.14, 0.00, 0.21
HSL	198°, 48%, 60%
HSV	198°, 49%, 79%
XYZ	31.3132, 37.0945, 61.3867
YIQ	155.6750, -50.4330, -5.6090

Conversions

Conversions Part 2

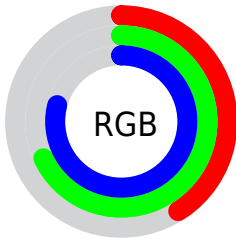
Format	Color
RYB	104, 144, 202
Decimal	6860234
CIELab	67.35, -13.93, -21.52
CIELCh	67, 25.634, 237.085
Yxy	37.0945, 0.2413, 0.2858
Android (android.graphics.Color)	4285050314 (0xFF68ADCA)
YUV	155.6750, 22.8382, -45.3190
Hunter-Lab	60.9053, -14.8120, -17.1250

Details

The XYZ color **31.3132, 37.0945, 61.3867** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **35.2443, 30.3321, 17.0951**, and the grayscale version is **31.3739, 33.0078, 35.9455**.

A 20% lighter version of the original color is **60.2906, 70.1804, 104.9763**, and **13.2649, 16.3708, 30.4777** is the 20% darker color. If you saturate the color by 10%, you get **28.1229, 33.7869, 60.9171**, and if you desaturate by 10%, it is **35.1188, 40.7970, 61.9015**.

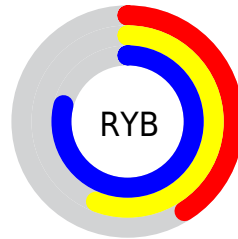
Distribution



Red (41%)

Green (68%)

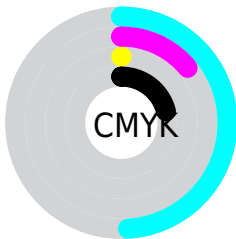
Blue (79%)



Red (41%)

Yellow (56%)

Blue (79%)

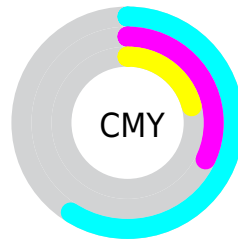


Cyan (49%)

Magenta (14%)

Yellow (0%)

Black (21%)



Cyan (59%)

Magenta (32%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3132, 37.0945, 61.3867 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 31.3132, 37.0945, 61.3867 by changing the saturation by 10% instead.

■ 31.3132, 37.0945,
61.3867

■ 31.3132, 37.0945,
61.3867

299.7798,
333.7195, 447.6362

■ 20.9905, 25.2807,
44.1047

■ 61.1053, 70.7181,
108.4016

■ 13.2294, 16.2863,
30.4151

■ 81.3054, 93.2967,
138.9717

■ 7.6648, 9.7270,
19.8991

■ 105.5287,
120.2323, 174.8082

■ 3.9312, 5.2183,
12.1384

■ 134.1405,
151.9093, 216.3296

■ 1.6633, 2.3759,
6.7143

167.5061,
188.7121, 263.9546

■ 0.4331, 0.8135,
3.2084

205.9910,

■ 0.0000, 0.0000,

231.0252, 318.1017

1.2020

249.9604,
279.2328, 379.1894

■ 0.0000, 0.0000,
0.0000

■ 31.3132, 37.0945,
61.3867

■ 31.3132, 37.0945,
61.3867

■ 28.1229, 33.7869,
60.9171

■ 35.1188, 40.7970,
61.9015

■ 25.5028, 30.8476,
60.4878

■ 39.5734, 44.9104,
62.4606

■ 23.4072, 28.2529,
60.0975

■ 44.7125, 49.4547,
63.0669

■ 21.7810, 25.9733,
59.7432

■ 50.5678, 54.4472,
63.7220

■ 20.5382, 23.9634,
59.4207

■ 57.1691, 59.9042,
64.4273

■ 20.3676, 23.6779,
59.3746

■ 64.5442, 65.8408,
65.1845

■ 72.7196, 72.2717,
65.9949

■ 77.7104, 77.1435,
66.6722

■ 79.3152, 80.3530,
67.2071

Harmonies

Analogous

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



28.9557, 37.0945, 51.0516



31.3132, 37.0945, 61.3867



34.8748, 37.0945, 66.0494

Triad

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



31.3132, 37.0945, 61.3867



43.3443, 37.0945, 41.4987



31.9314, 37.0945, 24.0405

Complementary

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



31.3132, 37.0945, 61.3867



35.2443, 30.3321, 17.0951

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.



35.6424, 37.0945, 22.4208



31.3132, 37.0945, 61.3867



42.4124, 37.0945, 31.3261

Square

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



31.3132, 37.0945, 61.3867



41.9798, 37.0945, 53.3096



39.5192, 37.0945, 24.8266



29.2936, 37.0945, 29.7464

Rectangle

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



31.3132, 37.0945, 61.3867



37.5213, 37.0945, 64.7726



39.5192, 37.0945, 24.8266



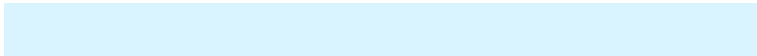
33.0861, 37.0945, 23.0520

Sweetspot

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



31.3144, 37.0959, 61.3876



78.8459, 86.4432, 107.1373



30.9794, 46.8446, 29.1566



16.4385, 18.1255, 22.8821



0.0000, 0.0000, 0.0000



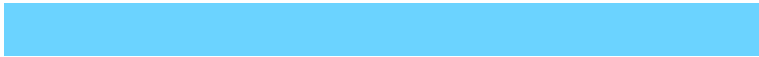
20.3446, 21.4041, 23.3091

Same Dimension

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



31.3144, 37.0959, 61.3876



47.4781, 57.0573, 103.1185



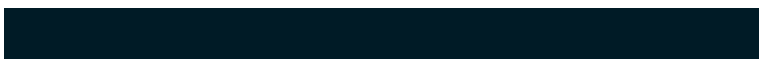
23.7340, 21.9350, 58.8608



11.2521, 12.1445, 14.3215



13.1867, 15.3974, 38.2333



0.7443, 0.9223, 1.9937

Inverse Universe

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



36.8513, 25.4755, 42.5116



58.2955, 36.5112, 65.7573



43.3332, 46.5100, 19.7914



11.5406, 11.3450, 13.3813



18.8670, 9.3574, 17.5499



1.0056, 0.4957, 1.0754

Previews

White Background



This preview shows how the XYZ color 31.3132, 37.0945, 61.3867 looks on a white background.

Color Contrast Check

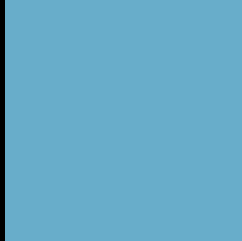
Large Text (above 18pt) WCAG AA × Fail

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 31.3132, 37.0945, 61.3867 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 31.3132, 37.0945, 61.3867

Background



This preview shows how black text looks on a background with the XYZ color 31.3132, 37.0945, 61.3867.



This preview shows how white text looks on a background with the XYZ color 31.3132, 37.0945,

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

31.3132, 37.0945, 61.3867

Protanopia

36.3682, 36.8036, 56.2259

Deuteranopia

37.6908, 36.8185, 62.8778



Tritanopia

29.7708, 37.0434, 53.7251

Trichromacy



Original Color

31.3132, 37.0945, 61.3867

Protanomaly

34.0308, 36.6220, 58.0985

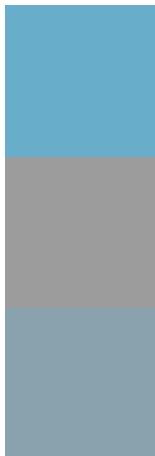
Deuteranomaly

34.8354, 36.6732, 62.3693

Tritanomaly

30.2405, 36.9338, 56.5740

Monochromacy



Original Color

31.3132, 37.0945, 61.3867

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.7797, 34.1762, 44.5096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3132, 37.0945, 61.3867 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(104, 173, 202)` looks like.

```
.text, #text, p{  
    color:rgb(104, 173, 202)  
}
```

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(104, 173, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 173, 202) }
```

Border

The CSS property to change the border of an element to XYZ 31.3132, 37.0945, 61.3867 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(104, 173, 202) }
```


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

```
.border{ border-color:rgb(104, 173, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 173, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 173, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 173, 202);  
box-shadow:4px 4px 4px 4px rgb(104, 173,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3132, 37.0945, 61.3867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 173, 202) }
```

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

```
.background{ background-color: rgb(104,  
173, 202) }
```

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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