

Converting Colors

XYZ(31.1727, 37.0116, 60.6978)

Have a look what the booklet for
XYZ(31.1727, 37.0116, 60.6978)
contains.

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Color

**XYZ(31.1951, 37.0472,
60.7650)**

Conversions

Conversions Part 1

Format	Color
Hex	68ADC9
RGB	104, 173, 201
RGB Percent	41%, 68%, 79%
CMY	0.5921, 0.3216, 0.2118
CMYK	0.48, 0.14, 0.00, 0.21
HSL	197°, 47%, 60%
HSV	197°, 48%, 79%
XYZ	31.1951, 37.0472, 60.7650
YIQ	155.5610, -50.1120, -5.9200

Conversions

Conversions Part 2

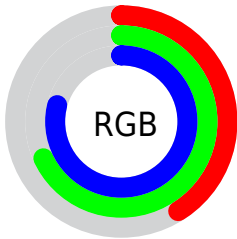
Format	Color
RYB	104, 144, 201
Decimal	6860233
CIELab	67.31, -14.21, -21.02
CIELCh	67, 25.373, 235.939
Yxy	37.0472, 0.2418, 0.2872
Android (android.graphics.Color)	4285050313 (0xFF68ADC9)
YUV	155.5610, 22.4014, -45.2190
Hunter-Lab	60.8664, -15.0318, -16.5847

Details

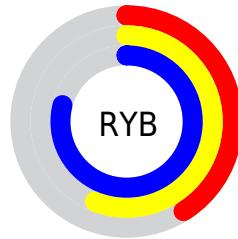
The XYZ color **31.1951, 37.0472, 60.7650** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **34.8383, 29.9206, 17.0370**, and the grayscale version is **31.3250, 32.9564, 35.8895**.

A 20% lighter version of the original color is **60.2906, 70.1804, 104.9763**, and **13.2305, 16.3622, 30.0647** is the 20% darker color. If you saturate the color by 10%, you get **28.0459, 33.8085, 60.3065**, and if you desaturate by 10%, it is **34.9510, 40.6719, 61.2674**.

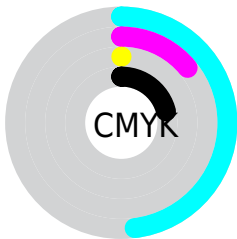
Distribution



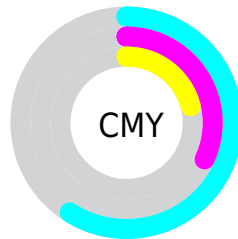
- Red (41%)
- Green (68%)
- Blue (79%)



- Red (41%)
- Yellow (56%)
- Blue (79%)



- Cyan (48%)
- Magenta (14%)
- Yellow (0%)
- Black (21%)



- Cyan (59%)
- Magenta (32%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1951, 37.0472, 60.7650 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 31.1951, 37.0472, 60.7650 by changing the saturation by 10% instead.

■ 31.1951, 37.0472,
60.7650

■ 31.1951, 37.0472,
60.7650

■ 299.2470,
333.5148, 445.2945

■ 20.9000, 25.2440,
43.6062

■ 60.9209, 70.6454,
107.4928

■ 13.1630, 16.2590,
30.0261

■ 81.0822, 93.2092,
137.8989

■ 7.6186, 9.7076,
19.6062

■ 105.2631,
120.1286, 173.5579

■ 3.9017, 5.2055,
11.9279

■ 133.8288,
151.7882, 214.8883

■ 1.6466, 2.3683,
6.5727

■ 167.1447,
188.5722, 262.3086

■ 0.4225, 0.8095,
3.1219

■ 205.5761,

■ 0.0000, 0.0000,

230.8650, 316.2373

1.1572

249.4884,
279.0511, 377.0931

■ 0.0000, 0.0000,
0.0000

■ 31.1951, 37.0472,
60.7650

■ 31.1951, 37.0472,
60.7650

■ 28.0459, 33.8085,
60.3065

■ 34.9510, 40.6719,
61.2674

■ 25.4591, 30.9299,
59.8872

■ 39.3469, 44.6984,
61.8129

■ 23.3897, 28.3879,
59.5056

■ 44.4177, 49.1463,
62.4041

■ 21.7837, 26.1537,
59.1591

■ 50.1945, 54.0325,
63.0428

■ 20.5588, 24.1841,
58.8434

■ 56.7067, 59.3729,
63.7304

■ 20.3624, 23.8564,
58.7905

■ 63.9818, 65.1826,
64.4683

■ 72.0458, 71.4758,
65.2580

■ 77.2236, 76.3587,
65.9276

■ 78.7676, 79.4468,
66.4423

Harmonies

Analogous

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



28.9176, 37.0472, 50.4294



31.1951, 37.0472, 60.7650



34.6863, 37.0472, 65.6384

Triad

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



31.1951, 37.0472, 60.7650



43.1946, 37.0472, 41.8710



32.0473, 37.0472, 24.0071

Complementary

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



31.1951, 37.0472, 60.7650



34.8383, 29.9206, 17.0370

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.



35.7435, 37.0472, 22.5519



31.1951, 37.0472, 60.7650



42.3598, 37.0472, 31.6917

Square

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



31.1951, 37.0472, 60.7650



41.7647, 37.0472, 53.5340



39.5603, 37.0472, 25.0942



29.3837, 37.0472, 29.5111

Rectangle

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



31.1951, 37.0472, 60.7650



37.3020, 37.0472, 64.5815



39.5603, 37.0472, 25.0942



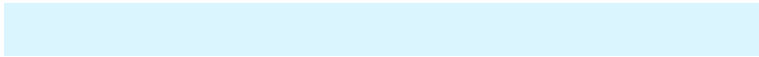
33.2021, 37.0472, 23.0772

Sweetspot

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



31.1963, 37.0486, 60.7659



79.9140, 87.4471, 107.2748



30.7262, 46.3691, 28.9769



16.6535, 18.3328, 22.9108



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.



31.1963, 37.0486, 60.7659



47.7460, 57.5932, 103.2079



23.5884, 21.8329, 58.2299



10.6781, 11.5303, 13.5803



12.8848, 15.1635, 36.9921



0.6700, 0.8378, 1.7715

Inverse Universe

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



36.5815, 25.3364, 42.4989



58.4307, 36.5653, 66.4695



42.9049, 46.0538, 19.7259



10.9475, 10.7624, 12.7070



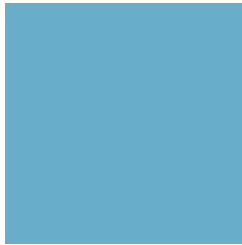
18.3030, 9.0708, 17.3371



0.8969, 0.4416, 0.9802

Previews

White Background



This preview shows how the XYZ color 31.1951, 37.0472, 60.7650 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 31.1951, 37.0472, 60.7650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

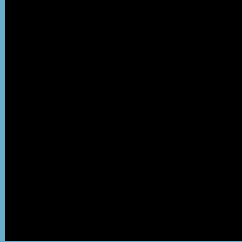
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1951, 37.0472, 60.7650

Background



This preview shows how black text looks on a background with the XYZ color 31.1951, 37.0472, 60.7650.



This preview shows how white text looks on a background with the XYZ color 31.1951, 37.0472,

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

31.1951, 37.0472, 60.7650

Protanopia

36.4506, 36.8590, 55.6454

Deuteranopia

37.5704, 36.7703, 62.2440



Tritanopia

29.7708, 37.0434, 53.7251

Trichromacy



Original Color

31.1951, 37.0472, 60.7650

Protanomaly

34.0813, 36.6612, 57.5046

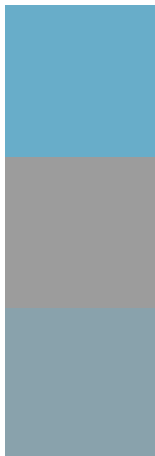
Deuteranomaly

34.7159, 36.6253, 61.7396

Tritanomaly

30.1285, 36.8891, 55.9844

Monochromacy



Original Color

31.1951, 37.0472, 60.7650

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.6833, 34.1376, 44.0018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1951, 37.0472, 60.7650 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(104, 173, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 173, 201) }
```

Border

The CSS property to change the border of an element to XYZ 31.1951, 37.0472, 60.7650 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, 201) }
```


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

```
.border{ border-color:rgb(104, 173, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 173, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 173, 201);  
box-shadow:4px 4px 4px 4px rgb(104, 173,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1951, 37.0472, 60.7650 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, 201) }
```

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

```
.background{ background-color: rgb(104,  
173, 201) }
```

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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