

Converting Colors

XYZ(31.2125, 36.9259, 60.7923)

Have a look what the booklet for
XYZ(31.2125, 36.9259, 60.7923)
contains.

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Color

**XYZ(31.3119, 37.1074,
60.7705)**

Conversions

Conversions Part 1

Format	Color
Hex	69ADC9
RGB	105, 173, 201
RGB Percent	41%, 68%, 79%
CMY	0.5882, 0.3216, 0.2118
CMYK	0.48, 0.14, 0.00, 0.21
HSL	197°, 47%, 60%
HSV	197°, 48%, 79%
XYZ	31.3119, 37.1074, 60.7705
YIQ	155.8600, -49.5160, -5.7080

Conversions

Conversions Part 2

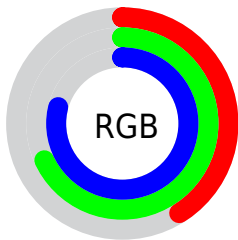
Format	Color
RYB	105, 145, 201
Decimal	6925769
CIELab	67.36, -13.98, -20.95
CIELCh	67, 25.182, 236.290
Yxy	37.1074, 0.2424, 0.2872
Android (android.graphics.Color)	4285115849 (0xFF69ADC9)
YUV	155.8600, 22.2540, -44.6042
Hunter-Lab	60.9158, -14.8503, -16.5074

Details

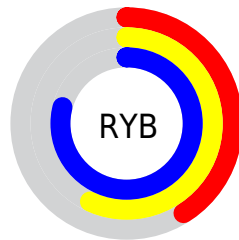
The XYZ color **31.3119, 37.1074, 60.7705** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **35.0257, 30.2136, 17.3516**, and the grayscale version is **31.4584, 33.0966, 36.0422**.

A 20% lighter version of the original color is **60.4913, 70.2839, 104.9857**, and **13.2761, 16.3857, 30.0668** is the 20% darker color. If you saturate the color by 10%, you get **28.1248, 33.8328, 60.3071**, and if you desaturate by 10%, it is **35.1086, 40.7711, 61.2782**.

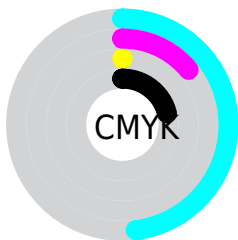
Distribution



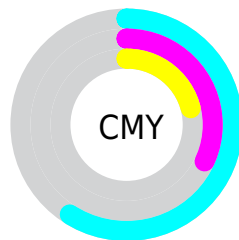
- Red (41%)
- Green (68%)
- Blue (79%)



- Red (41%)
- Yellow (57%)
- 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 31.3119, 37.1074, 60.7705 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 31.3119, 37.1074, 60.7705 by changing the saturation by 10% instead.

■ 31.3119, 37.1074,
60.7705

■ 31.3119, 37.1074,
60.7705

299.7740,
333.7753, 445.3153

■ 20.9895, 25.2907,
43.6106

■ 61.1033, 70.7379,
107.5009

■ 13.2287, 16.2937,
30.0296

■ 81.3030, 93.3205,
137.9084

■ 7.6643, 9.7322,
19.6088

■ 105.5258,
120.2605, 173.5690

■ 3.9309, 5.2218,
11.9297

■ 134.1370,
151.9423, 214.9010

■ 1.6631, 2.3780,
6.5739

167.5021,
188.7503, 262.3231

■ 0.4330, 0.8145,
3.1227

205.9864,

■ 0.0000, 0.0000,

231.0688, 316.2539

1.1576

249.9552,
279.2824, 377.1117

■ 0.0000, 0.0000,
0.0000

■ 31.3119, 37.1074,
60.7705

■ 31.3119, 37.1074,
60.7705

■ 28.1248, 33.8328,
60.3071

■ 35.1086, 40.7711,
61.2782

■ 25.5033, 30.9212,
59.8833

■ 39.5480, 44.8395,
61.8295

■ 23.4026, 28.3495,
59.4976

■ 44.6648, 49.3322,
62.4270

■ 21.7691, 26.0891,
59.1474

■ 50.4904, 54.2661,
63.0723

■ 20.5256, 24.0991,
58.8288

■ 57.0537, 59.6572,
63.7670

■ 20.2719, 23.6754,
58.7604

■ 64.3823, 65.5204,
64.5124

■ 72.5022, 71.8699,
65.3101

■ 77.3503, 76.6121,
65.9699

■ 78.9151, 79.7418,
66.4915

Harmonies

Analogous

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



29.0299, 37.1074, 50.5590



31.3119, 37.1074, 60.7705



34.7918, 37.1074, 65.5184

Triad

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



31.3119, 37.1074, 60.7705



43.1991, 37.1074, 41.7935



32.0859, 37.1074, 24.1972

Complementary

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



31.3119, 37.1074, 60.7705



35.0257, 30.2136, 17.3516

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.



35.7515, 37.1074, 22.7000



31.3119, 37.1074, 60.7705



42.3445, 37.1074, 31.7082

Square

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



31.3119, 37.1074, 60.7705



41.8048, 37.1074, 53.3737



39.5472, 37.1074, 25.1867



29.4534, 37.1074, 29.7259

Rectangle

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



31.3119, 37.1074, 60.7705



37.3907, 37.1074, 64.4093



39.5472, 37.1074, 25.1867



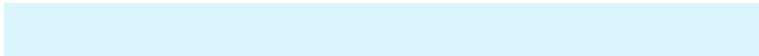
33.2300, 37.1074, 23.2547

Sweetspot

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



31.3131, 37.1088, 60.7714



79.8816, 87.3822, 107.2640



30.8920, 46.4489, 29.2403



16.6456, 18.3169, 22.9082



0.0000, 0.0000, 0.0000



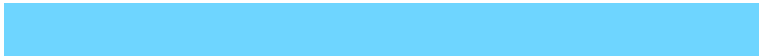
20.3446, 21.4041, 23.3091

Same Dimension

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



31.3131, 37.1088, 60.7714



48.1325, 57.9036, 103.2474



23.8048, 22.0923, 58.2686



10.6753, 11.5248, 13.5793



12.8283, 15.0505, 36.9733



0.6677, 0.8332, 1.7708

Inverse Universe

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



36.6828, 25.5390, 42.5326



58.7386, 37.1206, 66.7587



42.9998, 46.1618, 20.0097



10.9462, 10.7618, 12.6997



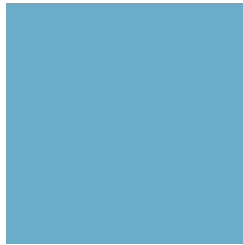
18.2745, 9.0593, 17.1870



0.8957, 0.4411, 0.9740

Previews

White Background



This preview shows how the XYZ color 31.3119, 37.1074, 60.7705 looks on a white background.

Color Contrast Check

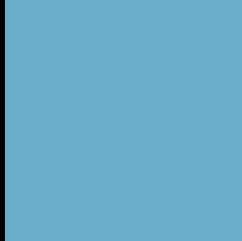
Large Text (above 18pt) WCAG AA × Fail

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 31.3119, 37.1074, 60.7705 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 31.3119, 37.1074, 60.7705

Background



This preview shows how black text looks on a background with the XYZ color 31.3119, 37.1074, 60.7705.



This preview shows how white text looks on a background with the XYZ color 31.3119, 37.1074,

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

31.3119, 37.1074, 60.7705

Protanopia

36.4506, 36.8590, 55.6454

Deuteranopia

37.5704, 36.7703, 62.2440



Tritanopia

29.8821, 37.1008, 53.7303

Trichromacy



Original Color

31.3119, 37.1074, 60.7705

Protanomaly

34.0813, 36.6612, 57.5046

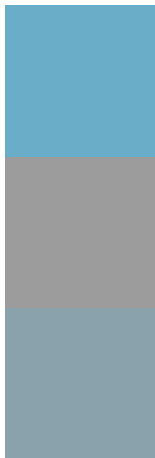
Deuteranomaly

34.8821, 36.7110, 61.7474

Tritanomaly

30.2412, 36.9471, 55.9897

Monochromacy



Original Color

31.3119, 37.1074, 60.7705

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 31.3119, 37.1074, 60.7705 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(105, 173, 201)` looks like.

```
.text, #text, p{  
    color:rgb(105, 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(105, 173, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 173, 201) }
```

Border

The CSS property to change the border of an element to XYZ 31.3119, 37.1074, 60.7705 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(105, 173, 201) }
```


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

```
.border{ border-color:rgb(105, 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(105, 173, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 173, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 173, 201);  
box-shadow:4px 4px 4px 4px rgb(105, 173,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3119, 37.1074, 60.7705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 173, 201) }
```

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

```
.background{ background-color: rgb(105,  
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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