

Converting Colors

XYZ(31.5968, 37.9351, 68.0157)

Have a look what the booklet for
XYZ(31.5968, 37.9351, 68.0157)
contains.

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Color

**XYZ(31.6254, 37.9778,
67.9510)**

Conversions

Conversions Part 1

Format	Color
Hex	5AB0D4
RGB	90, 176, 212
RGB Percent	35%, 69%, 83%
CMY	0.6470, 0.3098, 0.1686
CMYK	0.58, 0.17, 0.00, 0.17
HSL	198°, 59%, 59%
HSV	198°, 58%, 83%
XYZ	31.6254, 37.9778, 67.9510
YIQ	154.3900, -62.8120, -7.0360

Conversions

Conversions Part 2

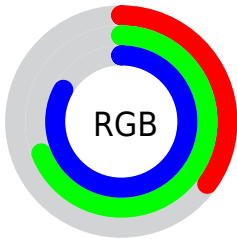
Format	Color
R_{YB}	90, 140, 212
Decimal	5943508
CIE _{Lab}	68.00, -15.61, -26.08
CIE _{LCh}	68, 30.395, 239.089
Yxy	37.9778, 0.2299, 0.2761
Android (android.graphics.Color)	4284133588 (0xFF5AB0D4)
YUV	154.3900, 28.4017, -56.4700
Hunter-Lab	61.6261, -16.2428, -22.2368

Details

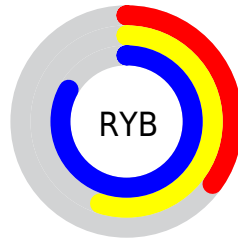
The XYZ color **31.6254, 37.9778, 67.9510** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **36.4587, 29.6581, 13.4771**, and the grayscale version is **30.7865, 32.3898, 35.2725**.

A 20% lighter version of the original color is **59.3010, 71.3228, 105.2489**, and **13.3347, 16.6858, 34.4162** is the 20% darker color. If you saturate the color by 10%, you get **28.6516, 34.6663, 67.4693**, and if you desaturate by 10%, it is **35.2462, 41.7082, 68.4809**.

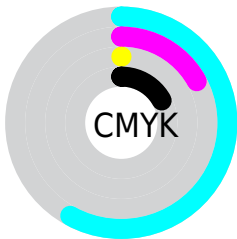
Distribution



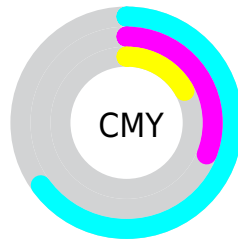
- Red (35%)
- Green (69%)
- Blue (83%)



- Red (35%)
- Yellow (55%)
- Blue (83%)



- Cyan (58%)
- Magenta (17%)
- Yellow (0%)
- Black (17%)



- Cyan (65%)
- Magenta (31%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6254, 37.9778, 67.9510 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 31.6254, 37.9778, 67.9510 by changing the saturation by 10% instead.

■ 31.6254, 37.9778,
67.9510

■ 31.6254, 37.9778,
67.9510

301.1850,
337.5247, 471.9157

■ 21.2297, 25.9655,
49.3914

■ 61.5925, 72.0741,
117.9356

■ 13.4054, 16.7978,
34.5623

■ 81.8947, 94.9269,
150.1977

■ 7.7872, 10.0904,
23.0451

■ 106.2297,
122.1619, 187.8644

■ 4.0098, 5.4590,
14.4212

■ 134.9629,
154.1636, 231.3542

■ 1.7077, 2.5190,
8.2721

168.4597,
191.3163, 281.0857

■ 0.4611, 0.8861,
4.1793

207.0854,

■ 0.0000, 0.0000,

234.0045, 337.4775

1.7242

251.2054,
282.6125, 400.9480

■ 0.0000, 0.0000,
0.3772

■ 0.0000, 0.0000,
0.0000

■ 31.6254, 37.9778,
67.9510

■ 31.6254, 37.9778,
67.9510

■ 28.6516, 34.6663,
67.4693

■ 35.2462, 41.7082,
68.4809

■ 26.2688, 31.7416,
67.0303

■ 39.5563, 45.8783,
69.0587

■ 24.4171, 29.1723,
66.6320

■ 44.5989, 50.5121,
69.6873

■ 23.0123, 26.9139,
66.2701

■ 50.4120, 55.6302,
70.3688

■ 22.7017, 26.3892,
66.1852

■ 57.0313, 61.2521,
71.1051

■ 64.4899, 67.3959,
71.8978

■ 72.8190, 74.0787,
72.7487

■ 80.3333, 80.4326,
73.5791

■ 82.0661, 83.8981,
74.1567

Harmonies

Analogous

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



28.7214, 37.9778, 55.3435



31.6254, 37.9778, 67.9510



35.9524, 37.9778, 73.2267

Triad

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



31.6254, 37.9778, 67.9510



45.9703, 37.9778, 41.7668



31.8552, 37.9778, 22.5180

Complementary

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



31.6254, 37.9778, 67.9510



36.4587, 29.6581, 13.4771

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.



36.2415, 37.9778, 20.4005



31.6254, 37.9778, 67.9510



44.6376, 37.9778, 29.9419

Square

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



31.6254, 37.9778, 67.9510



44.4712, 37.9778, 56.2191



40.9709, 37.9778, 22.7953



28.8457, 37.9778, 29.3673

Rectangle

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



31.6254, 37.9778, 67.9510



39.1520, 37.9778, 71.1560



40.9709, 37.9778, 22.7953



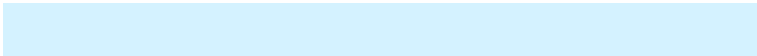
33.2048, 37.9778, 21.3053

Sweetspot

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



31.6266, 37.9792, 67.9519



76.9148, 84.7934, 106.9207



31.4350, 50.7312, 27.3939



16.0565, 17.7972, 22.8389



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.



31.6266, 37.9792, 67.9519



42.6537, 51.6345, 102.3261



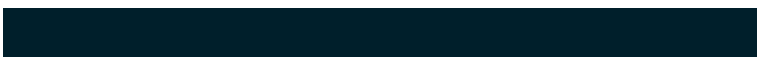
22.3967, 19.5194, 64.8753



12.4684, 13.4601, 15.8784



14.1054, 16.4726, 40.8892



0.9210, 1.1341, 2.4897

Inverse Universe

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



38.6451, 24.4451, 43.7573



54.8287, 31.1748, 59.6780



46.4656, 49.6718, 16.8127



12.7896, 12.5673, 14.8323



20.1786, 10.0078, 18.7764



1.2525, 0.6178, 1.3192

Previews

White Background



This preview shows how the XYZ color 31.6254, 37.9778, 67.9510 looks on a white background.

Color Contrast Check

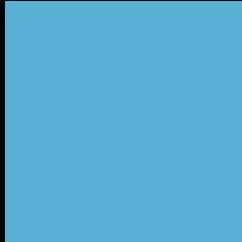
Large Text (above 18pt) WCAG AA × Fail

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 31.6254, 37.9778, 67.9510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

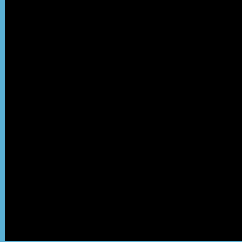
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6254, 37.9778, 67.9510

Background



This preview shows how black text looks on a background with the XYZ color 31.6254, 37.9778, 67.9510.

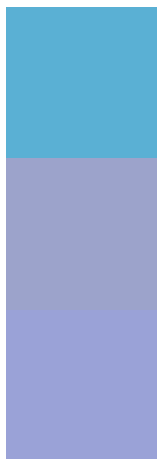


This preview shows how white text looks on a background with the XYZ color 31.6254, 37.9778,

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

31.6254, 37.9778, 67.9510

Protanopia

37.5870, 37.5741, 61.7714

Deuteranopia

38.5125, 37.6170, 69.5210



Tritanopia

29.4250, 37.9742, 56.8178

Trichromacy



Original Color

31.6254, 37.9778, 67.9510

Protanomaly

34.6589, 37.3670, 63.7784

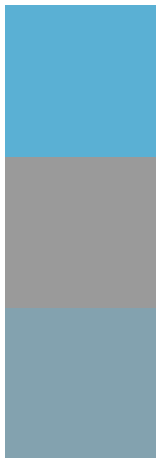
Deuteranomaly

35.3164, 37.3178, 68.9600

Tritanomaly

30.3008, 38.0363, 61.0031

Monochromacy



Original Color

31.6254, 37.9778, 67.9510

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.0183, 33.7611, 45.4919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6254, 37.9778, 67.9510 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(90, 176, 212)` looks like.

```
.text, #text, p{  
    color:rgb(90, 176, 212)  
}
```

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(90, 176, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 176, 212) }
```

Border

The CSS property to change the border of an element to XYZ 31.6254, 37.9778, 67.9510 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(90, 176, 212) }
```


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

```
.border{ border-color:rgb(90, 176, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 176, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 176, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 176, 212);  
box-shadow:4px 4px 4px 4px rgb(90, 176,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6254, 37.9778, 67.9510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 176, 212) }
```

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

```
.background{ background-color: rgb(90, 176,  
212) }
```

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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