

Converting Colors

XYZ(31.8065, 37.0307, 67.1001)

Have a look what the booklet for
XYZ(31.8065, 37.0307, 67.1001)
contains.

XYZ(31.7659, 36.9175, 67.0796)	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(31.7659, 36.9175,
67.0796)**

Conversions

Conversions Part 1

Format	Color
Hex	64ACD3
RGB	100, 172, 211
RGB Percent	39%, 67%, 83%
CMY	0.6078, 0.3255, 0.1725
CMYK	0.53, 0.18, 0.00, 0.17
HSL	201°, 56%, 61%
HSV	201°, 53%, 83%
XYZ	31.7659, 36.9175, 67.0796
YIQ	154.9180, -55.4310, -3.1350

Conversions

Conversions Part 2

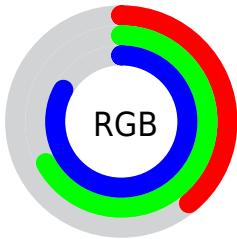
Format	Color
RYB	100, 144, 211
Decimal	6597843
CIELab	67.22, -11.70, -26.71
CIELCh	67, 29.156, 246.340
Yxy	36.9175, 0.2340, 0.2719
Android (android.graphics.Color)	4284787923 (0xFF64ACD3)
YUV	154.9180, 27.6484, -48.1631
Hunter-Lab	60.7598, -13.0078, -22.9251

Details

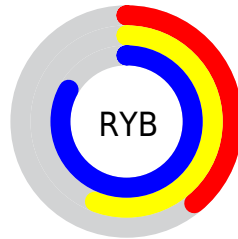
The XYZ color **31.7659, 36.9175, 67.0796** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **38.3979, 33.2355, 16.4492**, and the grayscale version is **31.0197, 32.6352, 35.5397**.

A 20% lighter version of the original color is **59.4237, 69.3263, 104.8571**, and **13.4802, 16.2266, 33.8740** is the 20% darker color. If you saturate the color by 10%, you get **28.3557, 33.1237, 66.5277**, and if you desaturate by 10%, it is **35.8615, 41.1830, 67.6878**.

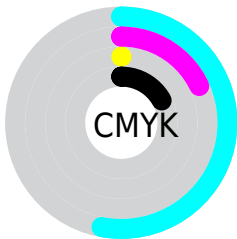
Distribution



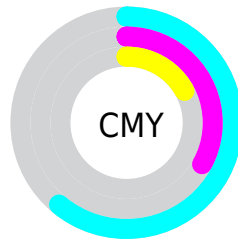
- Red (39%)
- Green (67%)
- Blue (83%)



- Red (39%)
- Yellow (56%)
- Blue (83%)



- Cyan (53%)
- Magenta (18%)
- Yellow (0%)
- Black (17%)



- Cyan (61%)
- Magenta (33%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7659, 36.9175, 67.0796 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 31.7659, 36.9175, 67.0796 by changing the saturation by 10% instead.

■ 31.7659, 36.9175,
67.0796

■ 31.7659, 36.9175,
67.0796

301.8157,
332.9532, 468.7373

■ 21.3374, 25.1436,
48.6873

■ 61.8116, 70.4459,
116.6762

■ 13.4847, 16.1841,
34.0077

■ 82.1595, 92.9692,
148.7176

■ 7.8425, 9.6545,
22.6221

■ 106.5447,
119.8444, 186.1458

■ 4.0453, 5.1705,
14.1120

■ 135.3323,
151.4559, 229.3792

■ 1.7278, 2.3476,
8.0590

168.8879,
188.1882, 278.8366

■ 0.4736, 0.7988,
4.0444

207.5768,

■ 0.0000, 0.0000,

230.4256, 334.9364

1.6497

251.7643,
278.5524, 398.0971

■ 0.0000, 0.0000,
0.3259

■ 0.0000, 0.0000,
0.0000

■ 31.7659, 36.9175,
67.0796

■ 31.7659, 36.9175,
67.0796

■ 28.3557, 33.1237,
66.5277

■ 35.8615, 41.1830,
67.6878

■ 25.5783, 29.7703,
66.0269

■ 40.6828, 45.9406,
68.3519

■ 23.3788, 26.8279,
65.5748

■ 46.2708, 51.2139,
69.0753

■ 21.6899, 24.2598,
65.1682

■ 52.6625, 57.0238,
69.8598

■ 20.6846, 22.5564,
64.8924

■ 59.8922, 63.3898,
70.7075

■ 67.9923, 70.3300,
71.6202

■ 76.9932, 77.8620,
72.5996

■ 81.6610, 83.2892,
73.4012

■ 83.7839, 87.5349,
74.1088

Harmonies

Analogous

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



28.6379, 36.9175, 56.5371



31.7659, 36.9175, 67.0796



36.0424, 36.9175, 69.8029

Triad

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



31.7659, 36.9175, 67.0796



44.2988, 36.9175, 37.5511



30.2589, 36.9175, 23.5121

Complementary

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



31.7659, 36.9175, 67.0796



38.3979, 33.2355, 16.4492

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.



34.1526, 36.9175, 20.4291



31.7659, 36.9175, 67.0796



42.4426, 36.9175, 27.3540

Square

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



31.7659, 36.9175, 67.0796



43.5244, 36.9175, 50.8550



38.6361, 36.9175, 21.6698



27.8206, 36.9175, 31.1427

Rectangle

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



31.7659, 36.9175, 67.0796



39.0241, 36.9175, 66.4005



38.6361, 36.9175, 21.6698



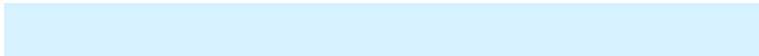
31.4277, 36.9175, 21.9922

Sweetspot

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



31.7671, 36.9189, 67.0805



77.1962, 84.2587, 106.8026



33.2001, 51.1585, 32.4948



16.0840, 17.6362, 22.8063



0.0000, 0.0000, 0.0000



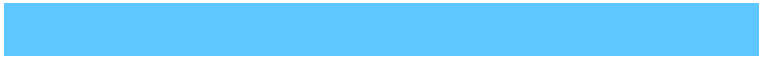
20.3446, 21.4041, 23.3091

Same Dimension

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



31.7671, 36.9189, 67.0805



43.0234, 50.2609, 102.0415



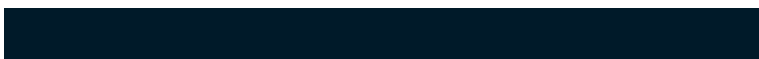
23.3352, 20.0550, 64.2698



11.7943, 12.6788, 15.0693



12.5824, 13.8115, 39.1952



0.7765, 0.9183, 2.2159

Inverse Universe

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



38.8686, 25.9430, 41.9900



55.5312, 33.4307, 57.2887



48.5349, 53.5096, 19.8282



12.1271, 11.9356, 13.9449



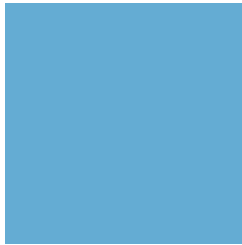
18.9818, 9.4655, 15.3420



1.0982, 0.5440, 1.0519

Previews

White Background



This preview shows how the XYZ color 31.7659, 36.9175, 67.0796 looks on a white background.

Color Contrast Check

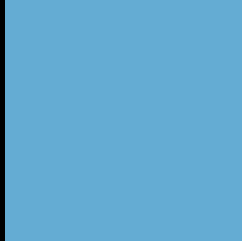
Large Text (above 18pt) WCAG AA × Fail

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 31.7659, 36.9175, 67.0796 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 31.7659, 36.9175, 67.0796

Background



This preview shows how black text looks on a background with the XYZ color 31.7659, 36.9175, 67.0796.

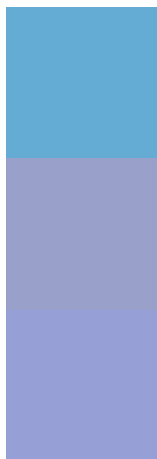


This preview shows how white text looks on a background with the XYZ color 31.7659, 36.9175,

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

31.7659, 36.9175, 67.0796

Protanopia

36.6612, 36.5738, 61.6271

Deuteranopia

37.4709, 36.5760, 68.7033



Tritanopia

29.3338, 37.0955, 54.3293

Trichromacy



Original Color

31.7659, 36.9175, 67.0796

Protanomaly

34.4272, 36.4348, 63.6106

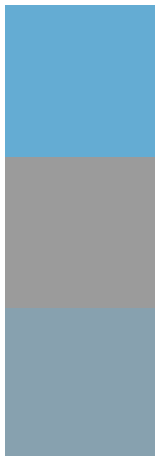
Deuteranomaly

34.8014, 36.2605, 68.1155

Tritanomaly

30.3469, 37.2240, 59.0116

Monochromacy



Original Color

31.7659, 36.9175, 67.0796

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.4744, 33.7358, 45.4629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7659, 36.9175, 67.0796 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(100, 172, 211)` looks like.

```
.text, #text, p{  
    color:rgb(100, 172, 211)  
}
```

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(100, 172, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 172, 211) }
```

Border

The CSS property to change the border of an element to XYZ 31.7659, 36.9175, 67.0796 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(100, 172, 211) }
```


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

```
.border{ border-color:rgb(100, 172, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 172, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 172, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 172, 211);  
box-shadow:4px 4px 4px 4px rgb(100, 172,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7659, 36.9175, 67.0796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 172, 211) }
```

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

```
.background{ background-color: rgb(100,  
172, 211) }
```

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