

# Converting Colors

XYZ(31.7504, 42.7910, 56.8077)

Have a look what the booklet for  
XYZ(31.7504, 42.7910, 56.8077)  
contains.

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# Color

**XYZ(31.9126, 42.9967,  
57.0693)**

# Conversions

## Conversions Part 1

Format	Color
Hex	54BFC1
RGB	84, 191, 193
RGB Percent	33%, 75%, 76%
CMY	0.6706, 0.2510, 0.2431
CMYK	0.56, 0.01, 0.00, 0.24
HSL	181°, 47%, 54%
HSV	181°, 56%, 76%
XYZ	31.9126, 42.9967, 57.0693
YIQ	159.2350, -64.4140, -22.0620

# Conversions

## Conversions Part 2

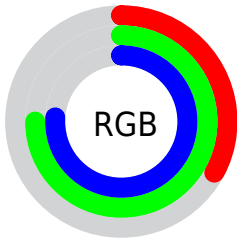
Format	Color
<b>RYB</b>	84, 138, 193
Decimal	5554113
CIELab	71.55, -29.86, -10.30
CIElCh	72, 31.591, 199.031
Yxy	42.9967, 0.2418, 0.3258
Android (android.graphics.Color)	4283744193 (0xFF54BFC1)
YUV	159.2350, 16.6461, -65.9811
Hunter-Lab	65.5719, -27.8782, -5.7017

# Details

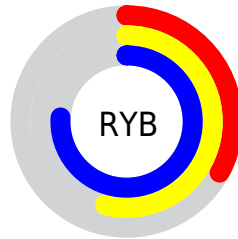
The XYZ color **31.9126, 42.9967, 57.0693** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **26.9212, 18.6339, 10.5664**, and the grayscale version is **33.0107, 34.7299, 37.8208**.

A 20% lighter version of the original color is **61.9940, 79.8140, 101.7607**, and **13.6793, 19.7848, 27.9088** is the 20% darker color. If you saturate the color by 10%, you get **30.3407, 42.0729, 56.9746**, and if you desaturate by 10%, it is **33.9631, 44.1695, 57.1884**.

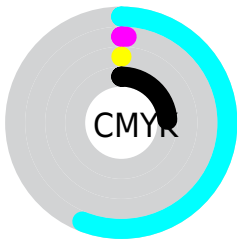
# Distribution



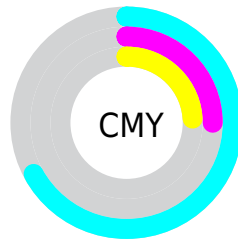
- Red (33%)
- Green (75%)
- Blue (76%)



- Red (33%)
- Yellow (54%)
- Blue (76%)



- Cyan (56%)
- Magenta (1%)
- Yellow (0%)
- Black (24%)



- Cyan (67%)
- Magenta (25%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9126, 42.9967, 57.0693 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 31.9126, 42.9967, 57.0693 by changing the saturation by 10% instead.



■ 31.9126, 42.9967,  
57.0693

■ 31.9126, 42.9967,  
57.0693

302.4733,  
358.5982, 431.2099

■ 21.4500, 29.8825,  
40.6511

■ 62.0402, 79.7059,  
102.0676

■ 13.5676, 19.7494,  
27.7290

■ 82.4358, 104.0697,  
131.4849

■ 7.9003, 12.2130,  
17.8842

■ 106.8732,  
132.9521, 166.0723

■ 4.0825, 6.8889,  
10.6983

■ 135.7176,  
166.7377, 206.2483

■ 1.7489, 3.3927,  
5.7527

169.3345,  
205.8106, 252.4316

■ 0.4866, 1.3400,  
2.6290

208.0892,

■ 0.0000, 0.1719,

250.5554, 305.0406

0.9074

252.3470,  
301.3565, 364.4939

■ 0.0000, 0.0000,  
0.0000

■ 31.9126, 42.9967,  
57.0693

■ 31.9126, 42.9967,  
57.0693

■ 30.3407, 42.0729,  
56.9746

■ 33.9631, 44.1695,  
57.1884

■ 29.2034, 41.3725,  
56.8994

■ 36.5240, 45.6046,  
57.3304

■ 28.4553, 40.8730,  
56.8424

■ 39.6288, 47.3204,  
57.4979

■ 28.0353, 40.5428,  
56.8008

■ 43.3069, 49.3321,  
57.6924

■ 27.9232, 40.4451,  
56.7878

■ 47.5858, 51.6537,  
57.9150

■ 52.4913, 54.2987,  
58.1670

■ 58.0474, 57.2793,  
58.4494

■ 64.2770, 60.6075,  
58.7635

■ 70.1993, 63.7774,  
59.0632

# Harmonies

## Analogous

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



31.5970, 42.9967, 41.4432



31.9126, 42.9967, 57.0693



34.5007, 42.9967, 72.7008

# Triad

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



31.9126, 42.9967, 57.0693



49.1164, 42.9967, 68.8523



42.8511, 42.9967, 23.4832

# Complementary

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



31.9126, 42.9967, 57.0693



26.9212, 18.6339, 10.5664

# 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.



47.9720, 42.9967, 27.9451



31.9126, 42.9967, 57.0693



51.7932, 42.9967, 52.6344

# Square

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



31.9126, 42.9967, 57.0693



44.3058, 42.9967, 80.4614



51.3571, 42.9967, 37.8710



37.6110, 42.9967, 24.1649



# Rectangle

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



31.9126, 42.9967, 57.0693



37.3033, 42.9967, 79.9746



51.3571, 42.9967, 37.8710



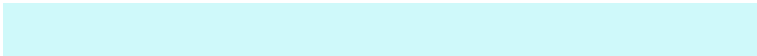
44.6509, 42.9967, 24.3843

# Sweetspot

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



31.9139, 42.9983, 57.0703



77.0016, 88.0477, 103.2968



24.3994, 40.6946, 15.3354



16.2190, 18.7253, 22.1448



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



31.9139, 42.9983, 57.0703



53.7402, 74.9899, 102.0024



22.1836, 23.5377, 53.8269



10.3522, 11.3957, 12.9388



18.5788, 26.9140, 37.7723



0.8079, 1.1731, 1.6337



# Inverse Universe

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



34.5677, 21.4408, 51.6086



59.0101, 32.7403, 91.0309



33.0180, 30.8276, 12.5987



10.4891, 10.2442, 12.6660



20.7737, 9.9992, 33.0499

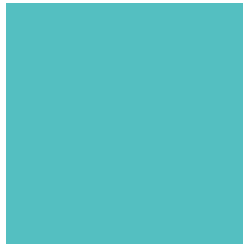


0.9002, 0.4331, 1.4416



# Previews

## White Background



This preview shows how the XYZ color 31.9126, 42.9967, 57.0693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

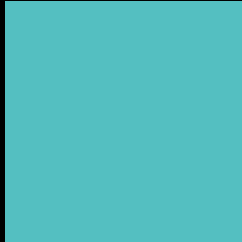
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.9126, 42.9967, 57.0693 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

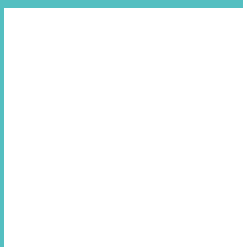
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 31.9126, 42.9967, 57.0693**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.9126, 42.9967, 57.0693.



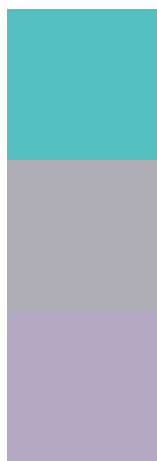
This preview shows how white text looks on a background with the XYZ color 31.9126, 42.9967,



# 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

31.9126, 42.9967, 57.0693

### Protanopia

41.0663, 42.3785, 50.2714

### Deuteranopia

43.3902, 42.5300, 59.3483



## Tritanopia

33.3369, 42.9268, 64.2863

# Trichromacy



## Original Color

31.9126, 42.9967, 57.0693

## Protanomaly

36.3395, 41.9385, 52.6340

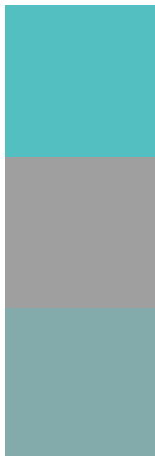
## Deuteranomaly

37.5613, 41.8461, 58.3220

## Tritanomaly

32.8866, 43.0702, 61.8384

# Monochromacy



## Original Color

31.9126, 42.9967, 57.0693

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

31.4293, 36.9716, 44.0078

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.9126, 42.9967, 57.0693 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(84, 191, 193)` looks like.

```
.text, #text, p{  
    color:rgb(84, 191, 193)  
}
```

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(84, 191, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 191, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 31.9126, 42.9967, 57.0693 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".

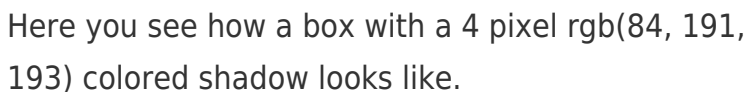
```
.border, #border, table{ border:4px solid rgb(84, 191, 193) }
```



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

```
.border{ border-color:rgb(84, 191, 193) }
```

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



Here you see how a box with a 4 pixel `rgb(84, 191, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(84, 191, 193); -webkit-box-shadow:4px 4px 4px 4px rgb(84, 191, 193); box-shadow:4px 4px 4px 4px rgb(84, 191, 193) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.9126, 42.9967, 57.0693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 191, 193) }
```

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

```
.background{ background-color: rgb(84, 191,  
193) }
```

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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