

# Converting Colors

XYZ(31.2614, 48.6484, 34.5305)

Have a look what the booklet for  
XYZ(31.2614, 48.6484, 34.5305)  
contains.

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# Color

**XYZ(31.2614, 48.6484,  
34.5305)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56CF91
RGB	86, 207, 145
RGB Percent	34%, 81%, 57%
CMY	0.6627, 0.1882, 0.4314
CMYK	0.58, 0.00, 0.30, 0.19
HSL	149°, 56%, 57%
HSV	149°, 58%, 81%
XYZ	31.2614, 48.6484, 34.5305
YIQ	163.7530, -52.2140, -44.9340

# Conversions

## Conversions Part 2

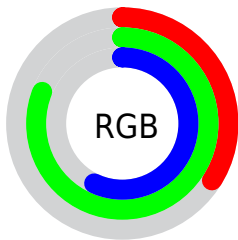
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 167, 207
Decimal	5689233
CIELab	75.23, -48.10, 20.91
CIELCh	75, 52.451, 156.508
Yxy	48.6484, 0.2732, 0.4251
Android (android.graphics.Color)	4283879313 (0xFF56CF91)
YUV	163.7530, -9.2452, -68.1894
Hunter-Lab	69.7484, -42.0556, 19.4710

# Details

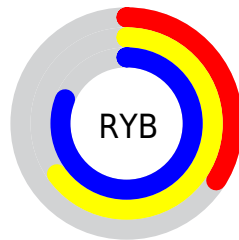
The XYZ color **31.2614, 48.6484, 34.5305** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **34.4068, 22.0602, 30.4633**, and the grayscale version is **35.2306, 37.0653, 40.3641**.

A 20% lighter version of the original color is **57.7459, 81.6633, 66.7519**, and **13.2486, 23.2646, 14.3819** is the 20% darker color. If you saturate the color by 10%, you get **28.8444, 47.4939, 30.3459**, and if you desaturate by 10%, it is **34.3091, 50.1219, 39.1454**.

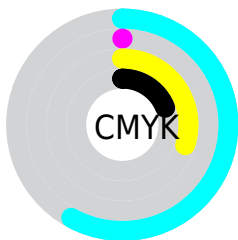
# Distribution



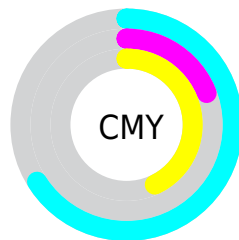
- Red (34%)
- Green (81%)
- Blue (57%)



- Red (34%)
- Yellow (65%)
- Blue (81%)



- Cyan (58%)
- Magenta (0%)
- Yellow (30%)
- Black (19%)




- Cyan (66%)
- Magenta (19%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2614, 48.6484, 34.5305 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 31.2614, 48.6484, 34.5305 by changing the saturation by 10% instead.





 31.2614, 48.6484,  
34.5305


 31.2614, 48.6484,  
34.5305


299.5462,  
381.3565, 337.3322


 20.9508, 34.3407,  
23.0208


 61.0244, 88.1690,  
67.9011


 13.2003, 23.1554,  
14.4034


 81.2076, 114.1507,  
90.5991

 7.6446, 14.7083,  
8.2598


 105.4122,  
144.7925, 117.8635

 3.9182, 8.6149,  
4.1715

 134.0038,  
180.4787, 150.1130

 1.6560, 4.4909,  
1.7199

167.3476,  
221.5938, 187.7661

 0.4285, 1.9518,  
0.3743

205.8091,

 0.0000, 0.5792,

268.5223, 231.2413

0.0000

249.7535,  
321.6483, 280.9571

■ 0.0000, 0.0000,  
0.0000

■ 31.2614, 48.6484,  
34.5305

■ 31.2614, 48.6484,  
34.5305

■ 28.8444, 47.4939,  
30.3459

■ 34.3091, 50.1219,  
39.1454

■ 27.0032, 46.6262,  
26.5751

■ 38.0291, 51.9316,  
44.1998

■ 25.6789, 46.0167,  
23.2050

■ 42.4634, 54.1003,  
49.7068

■ 24.7806, 45.6188,  
20.2194

■ 47.6496, 56.6471,  
55.6780

■ 24.6594, 45.5657,  
19.7903

■ 53.6226, 59.5898,  
62.1242

■ 60.4150, 62.9450,  
69.0561

■ 68.0573, 66.7283,  
76.4840

■ 76.5788, 70.9545,  
84.4178

■ 79.3511, 72.2064,  
92.5556

# Harmonies

## Analogous

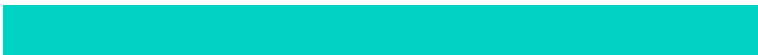
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.0818, 48.6484, 20.7743



31.2614, 48.6484, 34.5305



30.1845, 48.6484, 59.2052

# Triad

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



31.2614, 48.6484, 34.5305



48.3677, 48.6484, 124.9852



62.7617, 48.6484, 27.2857

# Complementary

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



31.2614, 48.6484, 34.5305



34.4068, 22.0602, 30.4633

# 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.



67.1654, 48.6484, 47.1884



31.2614, 48.6484, 34.5305



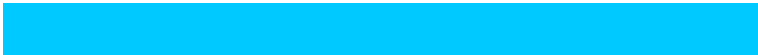
58.1428, 48.6484, 107.9958

# Square

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



31.2614, 48.6484, 34.5305



39.2486, 48.6484, 117.9426



65.3676, 48.6484, 77.0245



54.0133, 48.6484, 17.7198

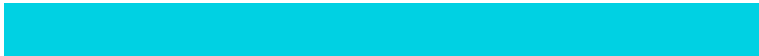


# Rectangle

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



31.2614, 48.6484, 34.5305



31.5794, 48.6484, 80.3138



65.3676, 48.6484, 77.0245



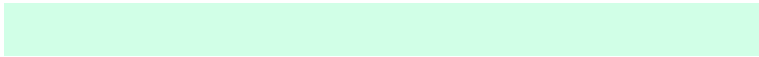
64.8507, 48.6484, 32.6652

# Sweetspot

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



31.2627, 48.6504, 34.5316



76.5746, 90.8866, 89.4646



36.3005, 51.6438, 16.8597



15.8368, 19.1814, 18.5280



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.



31.2627, 48.6504, 34.5316



45.4393, 75.7406, 47.1270



37.1696, 51.0131, 65.6368



11.8931, 13.3010, 13.7933



15.5834, 28.7263, 12.7184



0.9114, 1.6222, 0.9220



# Inverse Universe

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



34.4068, 22.0602, 30.4633



50.9236, 29.3239, 40.0045



30.8234, 20.6268, 11.5935



12.0580, 11.9079, 13.5810



17.9017, 9.0335, 9.6546

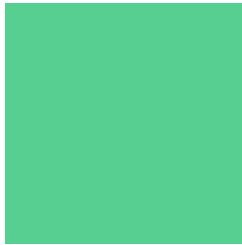


1.0410, 0.5211, 0.7506



# Previews

## White Background



This preview shows how the XYZ color 31.2614, 48.6484, 34.5305 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 31.2614, 48.6484, 34.5305 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

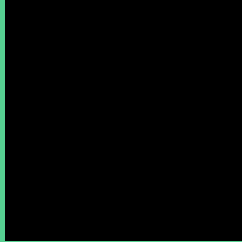
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 31.2614, 48.6484, 34.5305**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.2614, 48.6484, 34.5305.



This preview shows how white text looks on a background with the XYZ color 31.2614, 48.6484,



# 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

31.2614, 48.6484, 34.5305

### Protanopia

44.8024, 48.0360, 29.8322

### Deuteranopia

48.8302, 47.8574, 36.3695



## Tritanopia

38.3951, 48.3690, 70.9308

# Trichromacy



## Original Color

31.2614, 48.6484, 34.5305



## Protanomaly

37.4145, 46.7315, 31.4742



## Deuteranomaly

39.3444, 46.3519, 35.3069



## Tritanomaly

35.2175, 48.1001, 55.5722

# Monochromacy



## Original Color

31.2614, 48.6484, 34.5305



## Achromatopsia

35.2861, 37.1238, 40.4278



## Achromatomaly

32.5604, 40.3111, 37.9630

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.2614, 48.6484, 34.5305 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(86, 207, 145)` looks like.

```
.text, #text, p{  
    color:rgb(86, 207, 145)  
}
```

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(86, 207, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 207, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 31.2614, 48.6484, 34.5305 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(86, 207, 145) }
```



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

```
.border{ border-color:rgb(86, 207, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 207, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 207, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 207, 145);  
box-shadow:4px 4px 4px 4px rgb(86, 207,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.2614, 48.6484, 34.5305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 207, 145) }
```

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

```
.background{ background-color: rgb(86, 207,  
145) }
```

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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