

# Converting Colors

XYZ(50.9448, 66.1154, 33.2102)

Have a look what the booklet for  
XYZ(50.9448, 66.1154, 33.2102)  
contains.

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# Color

**XYZ(50.9317, 66.1154,  
33.3697)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E288
RGB	182, 226, 136
RGB Percent	71%, 89%, 53%
CMY	0.2863, 0.1137, 0.4667
CMYK	0.19, 0.00, 0.40, 0.11
HSL	89°, 61%, 71%
HSV	89°, 40%, 89%
XYZ	50.9317, 66.1154, 33.3697
YIQ	202.5840, 2.6660, -37.3180

# Conversions

## Conversions Part 2

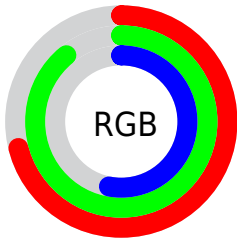
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">136, 226, 180</a>
Decimal	<a href="#">11985544</a>
CIELab	<a href="#">85.06, -29.46, 39.39</a>
CIElCh	<a href="#">85, 49.191, 126.796</a>
Yxy	<a href="#">66.1154, 0.3386, 0.4395</a>
Android (android.graphics.Color)	<a href="#">4290175624</a> ( <a href="#">0xFFB6E288</a> )
YUV	<a href="#">202.5840, -32.8259, -18.0522</a>
Hunter-Lab	<a href="#">81.3114, -30.4863, 32.5857</a>

# Details

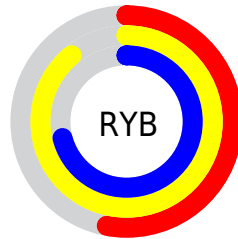
The XYZ color **50.9317, 66.1154, 33.3697** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.3568, 32.8045, 76.1074**, and the grayscale version is **56.7034, 59.6564, 64.9658**.

A 20% lighter version of the original color is **80.6509, 93.5884, 62.5288**, and **24.7274, 33.9016, 13.6279** is the 20% darker color. If you saturate the color by 10%, you get **46.9848, 64.2492, 25.6667**, and if you desaturate by 10%, it is **55.4265, 68.2290, 42.8688**.

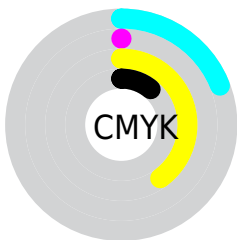
# Distribution



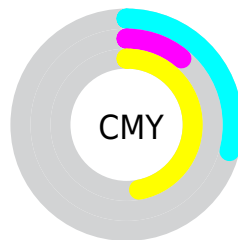
- Red (71%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (71%)



- Cyan (19%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)




- Cyan (29%)
- Magenta (11%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9317, 66.1154, 33.3697 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 50.9317, 66.1154, 33.3697 by changing the saturation by 10% instead.




 50.9317, 66.1154,  
33.3697


 50.9317, 66.1154,  
33.3697


380.6904,  
446.7895, 331.9953


 36.3751, 48.3661,  
22.1364


 90.7374, 113.6519,  
66.0749

 24.8955, 34.1169,  
13.7579


 116.7172,  
144.2080, 88.3839

 16.1275, 22.9834,  
7.8156

 147.2354,  
179.8017, 115.2219

 9.7058, 14.5813,  
3.8911

182.6574,  
220.8175, 147.0074

 5.2651, 8.5260,  
1.5658

223.3485,  
267.6398, 184.1589

 2.4400, 4.4334,  
0.2662

269.6742,

 0.8651, 1.9188,

320.6529, 227.0951

0.0000

321.9997,  
380.2414, 276.2344

0.0000, 0.5596,  
0.0000

0.0000, 0.0000,  
0.0000

50.9317, 66.1154,  
33.3697

50.9317, 66.1154,  
33.3697

46.9848, 64.2492,  
25.6667

55.4265, 68.2290,  
42.8688

43.5548, 62.6107,  
19.6422


60.4885, 70.5916,  
54.2631


40.6144, 61.1908,  
15.1715


66.1419, 73.2156,  
67.6496


38.1313, 59.9759,  
12.1104


72.4078, 76.1099,  
83.1173


 36.0676, 58.9502,  
10.2882

 79.3062, 79.2831,  
100.7500

 34.3626, 58.0889,  
9.4127

 84.0658, 81.6270,  
105.9326

 34.3346, 58.0747,  
9.3999

 86.4878, 82.8755,  
106.0459

# Harmonies

## Analogous

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



60.3547, 66.1154, 26.8311



50.9317, 66.1154, 33.3697



45.2336, 66.1154, 50.5383

# Triad

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



50.9317, 66.1154, 33.3697



54.8202, 66.1154, 143.8293



86.4403, 66.1154, 65.0112

# Complementary

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



50.9317, 66.1154, 33.3697



41.3568, 32.8045, 76.1074

# Split Complementary

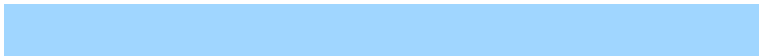
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5099, 66.1154, 98.7831



50.9317, 66.1154, 33.3697



65.3940, 66.1154, 151.0923

# Square

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



50.9317, 66.1154, 33.3697



47.2876, 66.1154, 115.0337



76.4749, 66.1154, 132.6839



81.4773, 66.1154, 41.2951



# Rectangle

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



50.9317, 66.1154, 33.3697



43.8907, 66.1154, 68.6345



76.4749, 66.1154, 132.6839



86.5843, 66.1154, 75.4499

# Sweetspot

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



50.9333, 66.1183, 33.3711



85.2172, 95.4556, 84.7391



52.0310, 50.3898, 30.2774



18.0261, 20.3323, 17.6266



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

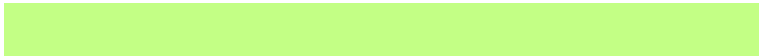


# Same Dimension

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



50.9333, 66.1183, 33.3711



62.5118, 84.8252, 35.1239



42.0410, 61.5341, 32.9550



14.1933, 15.6798, 14.5852



19.7245, 33.2009, 5.3688



1.4705, 2.3546, 0.3770



# Inverse Universe

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



41.3568, 32.8045, 76.1074



48.2339, 35.1504, 98.8502



53.4300, 39.0284, 76.6724



13.5869, 13.5706, 17.2910



11.6718, 5.1123, 41.4200



0.9122, 0.4075, 2.8758



# Previews

## White Background



This preview shows how the XYZ color 50.9317, 66.1154, 33.3697 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 50.9317, 66.1154, 33.3697 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 50.9317, 66.1154, 33.3697**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.9317, 66.1154, 33.3697.



This preview shows how white text looks on a background with the XYZ color 50.9317, 66.1154,



# 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

50.9317, 66.1154, 33.3697

### Protanopia

60.5952, 65.7146, 30.9632

### Deuteranopia

67.0367, 65.7058, 34.3486



## Tritanopia

61.6309, 66.1628, 85.8663

# Trichromacy



## Original Color

50.9317, 66.1154, 33.3697

## Protanomaly

56.4871, 65.4653, 31.8492

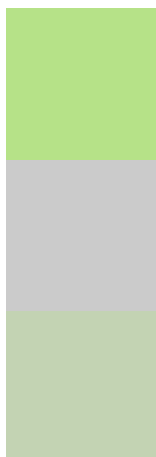
## Deuteranomaly

59.9494, 64.9466, 33.8024

## Tritanomaly

56.8954, 65.7706, 62.5196

# Monochromacy



## Original Color

50.9317, 66.1154, 33.3697

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

53.9366, 61.4453, 51.6652

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9317, 66.1154, 33.3697 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(182, 226, 136)` looks like.

```
.text, #text, p{  
    color:rgb(182, 226, 136)  
}
```

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(182, 226, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 226, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9317, 66.1154, 33.3697 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(182, 226, 136) }
```



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

```
.border{ border-color:rgb(182, 226, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 226, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 226, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 226, 136); box-shadow:4px 4px 4px 4px rgb(182, 226, 136) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9317, 66.1154, 33.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 226, 136) }
```

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

```
.background{ background-color: rgb(182,  
226, 136) }
```

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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