

# Converting Colors

XYZ(51.9010, 66.7924, 29.9821)

Have a look what the booklet for  
XYZ(51.9010, 66.7924, 29.9821)  
contains.

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# Color

**XYZ(51.7013, 66.5904,  
29.8670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCE27E
RGB	188, 226, 126
RGB Percent	74%, 89%, 49%
CMY	0.2627, 0.1137, 0.5059
CMYK	0.17, 0.00, 0.44, 0.11
HSL	83°, 63%, 69%
HSV	83°, 44%, 89%
XYZ	51.7013, 66.5904, 29.8670
YIQ	203.2380, 9.4520, -39.1560

# Conversions

## Conversions Part 2

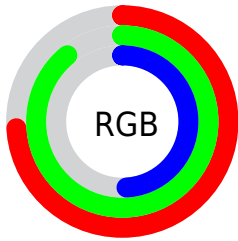
Format	Color
<a href="#">RYB</a>	<a href="#">126, 226, 164</a>
Decimal	<a href="#">12378750</a>
CIELab	<a href="#">85.30, -28.47, 44.70</a>
CIELCh	<a href="#">85, 52.996, 122.493</a>
Yxy	<a href="#">66.5904, 0.3490, 0.4495</a>
Android (android.graphics.Color)	<a href="#">4290568830</a> ( <a href="#">0xFFBCE27E</a> )
YUV	<a href="#">203.2380, -38.0783, -13.3637</a>
Hunter-Lab	<a href="#">81.6029, -29.7126, 35.4217</a>

# Details

The XYZ color **51.7013, 66.5904, 29.8670** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **36.5009, 28.3071, 75.4952**, and the grayscale version is **57.1436, 60.1195, 65.4701**.

A 20% lighter version of the original color is **82.0043, 94.4081, 57.0805**, and **25.4718, 34.6068, 11.8158** is the 20% darker color. If you saturate the color by 10%, you get **48.3518, 65.0157, 22.9390**, and if you desaturate by 10%, it is **55.5095, 68.3677, 38.5387**.

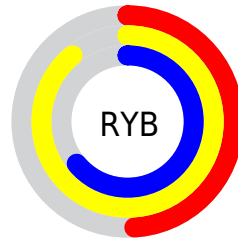
# Distribution



Red (74%)

Green (89%)

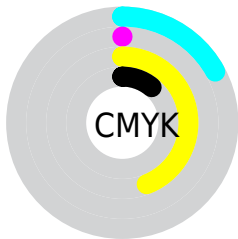
Blue (49%)



Red (49%)

Yellow (89%)

Blue (64%)

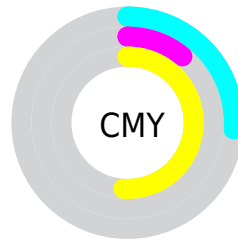


Cyan (17%)

Magenta (0%)

Yellow (44%)

Black (11%)



Cyan (26%)

Magenta (11%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7013, 66.5904, 29.8670 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 51.7013, 66.5904, 29.8670 by changing the saturation by 10% instead.



51.7013, 66.5904,  
29.8670

51.7013, 66.5904,  
29.8670

383.6253,  
448.4854, 315.4720

36.9903, 48.7518,  
19.4865

91.8674, 114.3333,  
60.5103

25.3737, 34.4227,  
11.8419

118.0533,  
145.0064, 81.6101

16.4859, 23.2185,  
6.5149

148.7948,  
180.7265, 107.1202

9.9616, 14.7549,  
3.0868

184.4574,  
221.8780, 137.4589

5.4356, 8.6476,  
1.1391

225.4064,  
268.8452, 173.0450

2.5424, 4.5120,  
0.0000


272.0071,

0.9167, 1.9639,


322.0126, 214.2968


0.0000


324.6250,  
381.7645, 261.6329


 0.0000, 0.5864,  
0.0000


 0.0000, 0.0000,  
0.0000


 51.7013, 66.5904,  
29.8670


 51.7013, 66.5904,  
29.8670


 48.3518, 65.0157,  
22.9390


 55.5095, 68.3677,  
38.5387


 45.4314, 63.6246,  
17.6320


 59.7940, 70.3481,  
49.0572


 42.9143, 62.4088,  
13.8142


 64.5772, 72.5430,  
61.5225


 40.7688, 61.3556,  
11.3314


 69.8784, 74.9603,  
76.0264

 38.9571, 60.4493,  
9.9954

 75.7161, 77.6077,  
92.6548

 38.0322, 59.9809,  
9.5730

 81.0252, 80.0595,  
105.7903

 84.0032, 81.5947,  
105.9296

 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.



62.2950, 66.5904, 24.5345



51.7013, 66.5904, 29.8670



44.9725, 66.5904, 46.0938

# Triad

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



51.7013, 66.5904, 29.8670



53.2334, 66.5904, 148.2180



89.2220, 66.5904, 69.6725

# Complementary

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



51.7013, 66.5904, 29.8670



36.5009, 28.3071, 75.4952

# 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.



86.0132, 66.5904, 107.4622



51.7013, 66.5904, 29.8670



64.2999, 66.5904, 160.4581

# Square

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



51.7013, 66.5904, 29.8670



45.7754, 66.5904, 114.0566



76.4976, 66.5904, 143.6418



84.7892, 66.5904, 42.5143



# Rectangle

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



51.7013, 66.5904, 29.8670



43.0823, 66.5904, 64.2196



76.4976, 66.5904, 143.6418



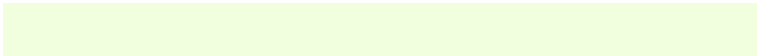
89.0013, 66.5904, 81.4754

# Sweetspot

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



51.7029, 66.5933, 29.8684



85.6807, 95.7343, 82.9646



48.1705, 43.7535, 25.6461



18.0239, 20.3469, 16.9149



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

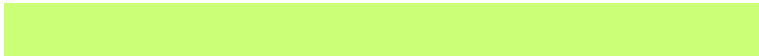


# Same Dimension

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



51.7029, 66.5933, 29.8684



63.9437, 85.6586, 30.8852



41.6676, 61.4199, 29.3988



14.3408, 15.7559, 14.5921



21.8323, 34.2875, 5.4675



1.6120, 2.4275, 0.3836



# Inverse Universe

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



36.5009, 28.3071, 75.4952



41.5894, 29.2987, 98.0710



48.5348, 34.5108, 76.0584



13.4419, 13.4958, 17.2842



10.1372, 4.3212, 41.3482



0.8001, 0.3497, 2.8706



# Previews

## White Background



This preview shows how the XYZ color 51.7013, 66.5904, 29.8670 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 51.7013, 66.5904, 29.8670 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 51.7013, 66.5904, 29.8670**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.7013, 66.5904, 29.8670.



This preview shows how white text looks on a background with the XYZ color 51.7013, 66.5904,

29.8670.

# 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

51.7013, 66.5904, 29.8670

### Protanopia

60.8497, 66.2926, 27.6778

### Deuteranopia

67.3482, 66.2519, 32.9052



## Tritanopia

62.8275, 66.4192, 85.1101

# Trichromacy



## Original Color

51.7013, 66.5904, 29.8670

## Protanomaly

57.2618, 66.3246, 28.5228

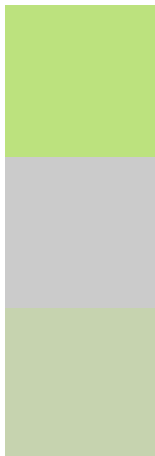
## Deuteranomaly

60.7321, 65.7693, 31.6841

## Tritanomaly

57.7230, 65.8634, 60.1227

# Monochromacy



## Original Color

51.7013, 66.5904, 29.8670

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

54.3208, 61.6894, 49.6017

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7013, 66.5904, 29.8670 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(188, 226, 126)` looks like.

```
.text, #text, p{  
    color:rgb(188, 226, 126)  
}
```

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(188, 226, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 226, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7013, 66.5904, 29.8670 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(188, 226, 126) }
```



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

```
.border{ border-color:rgb(188, 226, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 226, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 226, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 226, 126); box-shadow:4px 4px 4px 4px rgb(188, 226, 126) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7013, 66.5904, 29.8670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 226, 126) }
```

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

```
.background{ background-color: rgb(188,  
226, 126) }
```

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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