

# Converting Colors

XYZ(50.7054, 63.6270, 32.5305)

Have a look what the booklet for  
XYZ(50.7054, 63.6270, 32.5305)  
contains.

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# Color

**XYZ(50.7054, 63.6270,  
32.5305)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BCDC87
RGB	188, 220, 135
RGB Percent	74%, 86%, 53%
CMY	0.2627, 0.1372, 0.4706
CMYK	0.15, 0.00, 0.39, 0.14
HSL	83°, 55%, 70%
HSV	83°, 39%, 86%
XYZ	50.7054, 63.6270, 32.5305
YIQ	200.7420, 8.2130, -33.2190

# Conversions

## Conversions Part 2

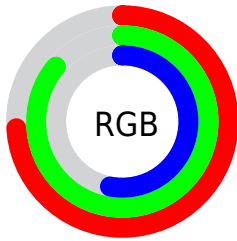
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 220, 167</a>
Decimal	<a href="#">12377223</a>
CIELab	<a href="#">83.77, -24.53, 38.32</a>
CIELCh	<a href="#">84, 45.497, 122.629</a>
Yxy	<a href="#">63.6270, 0.3453, 0.4332</a>
Android (android.graphics.Color)	<a href="#">4290567303</a> ( <a href="#">0xFFBCDC87</a> )
YUV	<a href="#">200.7420, -32.4108, -11.1747</a>
Hunter-Lab	<a href="#">79.7665, -26.1239, 31.6568</a>

# Details

The XYZ color **50.7054, 63.6270, 32.5305** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **37.5212, 30.7125, 71.6642**, and the grayscale version is **55.5497, 58.4426, 63.6440**.

A 20% lighter version of the original color is **82.6015, 94.6066, 62.0514**, and **24.7282, 32.5369, 13.3644** is the 20% darker color. If you saturate the color by 10%, you get **47.3318, 62.0507, 25.1057**, and if you desaturate by 10%, it is **54.5194, 65.3974, 41.6491**.

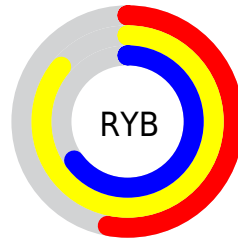
# Distribution



Red (74%)

Green (86%)

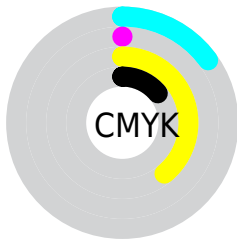
Blue (53%)



Red (53%)

Yellow (86%)

Blue (65%)

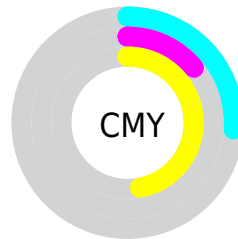


Cyan (15%)

Magenta (0%)

Yellow (39%)

Black (14%)



Cyan (26%)

Magenta (14%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7054, 63.6270, 32.5305 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 50.7054, 63.6270, 32.5305 by changing the saturation by 10% instead.



■ 50.7054, 63.6270,  
32.5305

■ 50.7054, 63.6270,  
32.5305

379.8247,  
437.8414, 328.0957

■ 36.1943, 46.3486,  
21.4989

■ 90.4047, 110.0736,  
64.7494

■ 24.7551, 32.5210,  
13.2944

■ 116.3237,  
140.0106, 86.7737

■ 16.0224, 21.7598,  
7.4984

■ 146.7760,  
174.9359, 113.2993

■ 9.6310, 13.6805,  
3.6926

182.1269,  
215.2340, 144.7447

■ 5.2154, 7.8988,  
1.4583

222.7419,  
261.2892, 181.5285

■ 2.4102, 4.0302,  
0.1865

268.9863,

■ 0.8502, 1.6905,

313.4859, 224.0693

0.0000

321.2254,  
372.2085, 272.7855

0.0000, 0.4175,  
0.0000

0.0000, 0.0000,  
0.0000

50.7054, 63.6270,  
32.5305

50.7054, 63.6270,  
32.5305

47.3318, 62.0507,  
25.1057

54.5194, 65.3974,  
41.6491

44.3720, 60.6511,  
19.2661


58.7892, 67.3616,  
52.5533


41.8036, 59.4211,  
14.8965


63.5350, 69.5302,  
65.3329


39.5995, 58.3496,  
11.8649


68.7742, 71.9103,  
80.0706


 37.7279, 57.4238,  
10.0151


 74.5234, 74.5088,  
96.8441


 36.1417, 56.6244,  
9.1109

 78.8043, 76.5346,  
105.2270

 35.9389, 56.5218,  
9.0156

 81.6454, 77.9992,  
105.3599

 84.6160, 79.5306,  
105.4989

 84.8845, 79.6691,  
105.5115

# Harmonies

## Analogous

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



59.5995, 63.6270, 27.5973



50.7054, 63.6270, 32.5305



44.9817, 63.6270, 46.9549

# Triad

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



50.7054, 63.6270, 32.5305



52.0733, 63.6270, 130.4585



81.7471, 63.6270, 66.7882

# Complementary

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



50.7054, 63.6270, 32.5305



37.5212, 30.7125, 71.6642

# 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.



79.1723, 63.6270, 97.7494



50.7054, 63.6270, 32.5305



61.3602, 63.6270, 139.9773

# Square

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



50.7054, 63.6270, 32.5305



45.7082, 63.6270, 103.3464



71.4264, 63.6270, 126.6514



78.1234, 63.6270, 43.6654



# Rectangle

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



50.7054, 63.6270, 32.5305



43.3675, 63.6270, 62.4631



71.4264, 63.6270, 126.6514



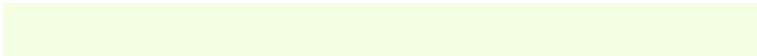
81.5780, 63.6270, 76.5735

# Sweetspot

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



50.7070, 63.6298, 32.5319



86.3964, 96.0635, 84.7943



47.5573, 44.3001, 28.9669



18.3038, 20.4754, 17.6396



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

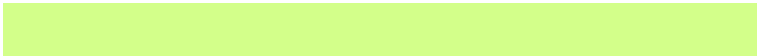


# Same Dimension

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



50.7070, 63.6298, 32.5319



67.1424, 87.1708, 37.2179



41.8818, 59.0803, 32.1189



13.6625, 15.0063, 13.9020



21.2184, 33.2360, 5.2969



1.4691, 2.2019, 0.3476



# Inverse Universe

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



37.5212, 30.7125, 71.6642



46.3551, 35.2397, 98.9665



47.7849, 36.0037, 72.1445



12.7997, 12.8548, 16.4588



9.7807, 4.1663, 40.0271

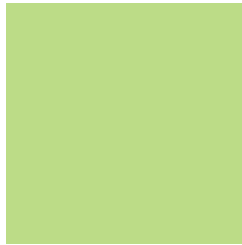


0.7274, 0.3183, 2.5975



# Previews

## White Background



This preview shows how the XYZ color 50.7054, 63.6270, 32.5305 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 50.7054, 63.6270, 32.5305 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 50.7054, 63.6270, 32.5305

## Background



This preview shows how black text looks on a background with the XYZ color 50.7054, 63.6270, 32.5305.



This preview shows how white text looks on a background with the XYZ color 50.7054, 63.6270,



# 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

50.7054, 63.6270, 32.5305

### Protanopia

58.2637, 63.0543, 30.2190

### Deuteranopia

64.5814, 63.0643, 33.5798



## Tritanopia

60.3473, 63.3713, 81.0027

# Trichromacy



## Original Color

50.7054, 63.6270, 32.5305

## Protanomaly

55.1489, 62.8990, 31.0639

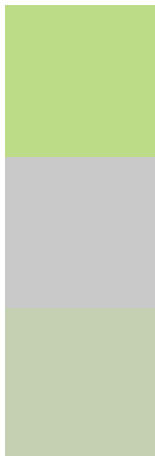
## Deuteranomaly

58.5788, 62.7915, 33.0773

## Tritanomaly

56.1848, 63.1745, 59.6847

# Monochromacy



## Original Color

50.7054, 63.6270, 32.5305

## Achromatopsia

55.5167, 58.4078, 63.6061

## Achromatomaly

53.2566, 60.0218, 50.3734

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.7054, 63.6270, 32.5305 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(188, 220, 135)` looks like.

```
.text, #text, p{  
    color:rgb(188, 220, 135)  
}
```

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, 220, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 220, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 50.7054, 63.6270, 32.5305 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(188, 220, 135) }
```



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

```
.border{ border-color:rgb(188, 220, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 220, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 220, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 220, 135);  
box-shadow:4px 4px 4px 4px rgb(188, 220,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.7054, 63.6270, 32.5305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 220, 135) }
```

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

```
.background{ background-color: rgb(188,  
220, 135) }
```

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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