

# Converting Colors

XYZ(52.4787, 67.3218, 33.3790)

Have a look what the booklet for  
XYZ(52.4787, 67.3218, 33.3790)  
contains.

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# Color

**XYZ(52.4065, 67.2805,  
33.5169)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BBE388
RGB	187, 227, 136
RGB Percent	73%, 89%, 53%
CMY	0.2667, 0.1098, 0.4667
CMYK	0.18, 0.00, 0.40, 0.11
HSL	86°, 62%, 71%
HSV	86°, 40%, 89%
XYZ	52.4065, 67.2805, 33.5169
YIQ	204.6660, 5.3710, -36.7810

# Conversions

## Conversions Part 2

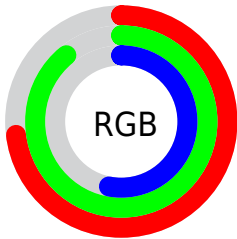
Format	Color
<a href="#">RYB</a>	<a href="#">136, 227, 176</a>
Decimal	<a href="#">12313480</a>
CIELab	<a href="#">85.65, -28.13, 40.21</a>
CIElCh	<a href="#">86, 49.070, 124.971</a>
Yxy	<a href="#">67.2805, 0.3421, 0.4392</a>
Android (android.graphics.Color)	<a href="#">4290503560</a> ( <a href="#">0xFFBBE388</a> )
YUV	<a href="#">204.6660, -33.8523, -15.4931</a>
Hunter-Lab	<a href="#">82.0247, -29.4975, 33.1902</a>

# Details

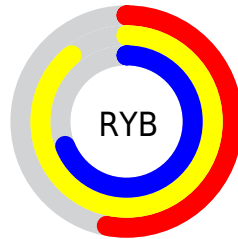
The XYZ color **52.4065, 67.2805, 33.5169** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.5766, 32.3864, 76.7894**, and the grayscale version is **58.0234, 61.0451, 66.4781**.

A 20% lighter version of the original color is **82.3625, 94.4708, 62.6089**, and **25.6789, 34.6714, 13.7263** is the 20% darker color. If you saturate the color by 10%, you get **48.6044, 65.4896, 25.7912**, and if you desaturate by 10%, it is **56.7233, 69.3014, 43.0529**.

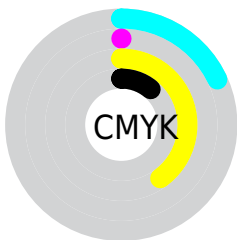
# Distribution



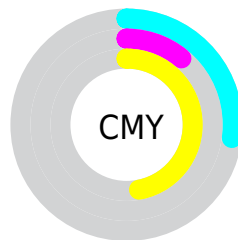
- Red (73%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (69%)



- Cyan (18%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)



- Cyan (27%)
- Magenta (11%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.4065, 67.2805, 33.5169 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 52.4065, 67.2805, 33.5169 by changing the saturation by 10% instead.



■ 52.4065, 67.2805,  
33.5169

■ 52.4065, 67.2805,  
33.5169

386.3022,  
450.9426, 332.6757

■ 37.5548, 49.3126,  
22.2484

■ 92.9011, 115.3222,  
66.3070

■ 25.8130, 34.8675,  
13.8394

■ 119.2748,  
146.1649, 88.6656

■ 16.8157, 23.5608,  
7.8716

■ 150.2197,  
182.0679, 115.5580

■ 10.1977, 15.0082,  
3.9263

186.1014,  
223.4157, 147.4028

■ 5.5935, 8.8251,  
1.5850

227.2851,  
270.5927, 184.6183

■ 2.6378, 4.6273,  
0.2801

274.1363,

■ 0.9653, 2.0303,

323.9832, 227.6233

0.0000

327.0201,  
383.9717, 276.8363

0.0000, 0.6250,  
0.0000

0.0000, 0.0000,  
0.0000

52.4065, 67.2805,  
33.5169

52.4065, 67.2805,  
33.5169

48.6044, 65.4896,  
25.7912

56.7233, 69.3014,  
43.0529

45.2868, 63.9095,  
19.7566


61.5730, 71.5532,  
54.4995

42.4277, 62.5315,  
15.2867


66.9789, 74.0478,  
67.9548


39.9956, 61.3427,  
12.2353

72.9611, 76.7937,  
83.5090

 37.9538, 60.3280,  
10.4287

 79.5387, 79.7988,  
101.2468

 36.2546, 59.4694,  
9.5679

 83.8344, 81.9125,  
105.9999

 86.7605, 83.4210,  
106.1368

# Harmonies

## Analogous

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



62.1043, 67.2805, 27.4633



52.4065, 67.2805, 33.5169



46.3882, 67.2805, 50.1850

# Triad

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



52.4065, 67.2805, 33.5169



55.2816, 67.2805, 144.3563



87.8310, 67.2805, 68.0531

# Complementary

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



52.4065, 67.2805, 33.5169



40.5766, 32.3864, 76.7894

# Split Complementary

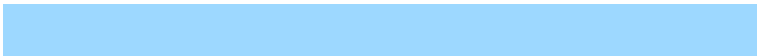
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.4594, 67.2805, 102.4971



52.4065, 67.2805, 33.5169



65.8281, 67.2805, 153.2518

# Square

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



52.4065, 67.2805, 33.5169



47.9077, 67.2805, 114.4901



77.0708, 67.2805, 136.1364



83.2204, 67.2805, 43.3446



# Rectangle

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



52.4065, 67.2805, 33.5169



44.8435, 67.2805, 67.9942



77.0708, 67.2805, 136.1364



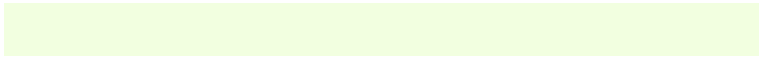
87.8287, 67.2805, 78.7847

# Sweetspot

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



52.4082, 67.2835, 33.5183



85.7319, 95.7209, 84.7632



51.5395, 48.9397, 30.0234



18.1473, 20.3947, 17.6322



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

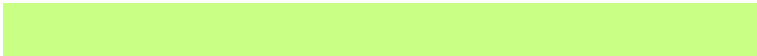


# Same Dimension

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



52.4082, 67.2835, 33.5183



64.1052, 85.6466, 35.1984



43.0819, 62.4756, 33.0819



14.9581, 16.4855, 15.2981



21.2790, 34.7512, 5.5861



1.6787, 2.6228, 0.4178



# Inverse Universe

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



40.5766, 32.3864, 76.7894



46.7317, 34.3759, 98.7799



52.4704, 38.5179, 77.3460



14.1811, 14.1956, 18.1369



11.2667, 4.8741, 42.7301

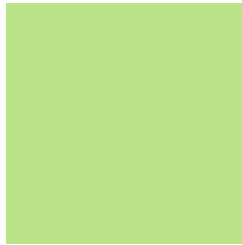


0.9377, 0.4144, 3.1625



# Previews

## White Background



This preview shows how the XYZ color 52.4065, 67.2805, 33.5169 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 52.4065, 67.2805, 33.5169 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 52.4065, 67.2805, 33.5169**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.4065, 67.2805, 33.5169.



This preview shows how white text looks on a background with the XYZ color 52.4065, 67.2805,



# 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

52.4065, 67.2805, 33.5169

### Protanopia

61.7476, 67.0555, 31.1613

### Deuteranopia

67.8669, 66.4593, 35.6365



## Tritanopia

63.3512, 67.4124, 86.7637

# Trichromacy



## Original Color

52.4065, 67.2805, 33.5169

## Protanomaly

57.8841, 66.9554, 32.0632

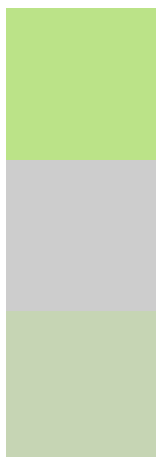
## Deuteranomaly

60.9843, 65.8330, 34.6921

## Tritanomaly

58.5512, 66.9994, 63.2723

# Monochromacy



## Original Color

52.4065, 67.2805, 33.5169

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

55.3212, 62.8896, 52.4032

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.4065, 67.2805, 33.5169 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(187, 227, 136)` looks like.

```
.text, #text, p{  
    color:rgb(187, 227, 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(187, 227, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 227, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 52.4065, 67.2805, 33.5169 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(187, 227, 136) }
```



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

```
.border{ border-color:rgb(187, 227, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 227, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 227, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 227, 136);  
box-shadow:4px 4px 4px 4px rgb(187, 227,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.4065, 67.2805, 33.5169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 227, 136) }
```

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

```
.background{ background-color: rgb(187,  
227, 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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