

# Converting Colors

XYZ(53.8062, 66.9790, 33.7685)

Have a look what the booklet for  
XYZ(53.8062, 66.9790, 33.7685)  
contains.

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# Color

**XYZ(53.6767, 66.7196,  
33.7160)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3E089
RGB	195, 224, 137
RGB Percent	76%, 88%, 54%
CMY	0.2353, 0.1215, 0.4627
CMYK	0.13, 0.00, 0.39, 0.12
HSL	80°, 58%, 71%
HSV	80°, 39%, 88%
XYZ	53.6767, 66.7196, 33.7160
YIQ	205.4110, 10.6430, -33.2050

# Conversions

## Conversions Part 2

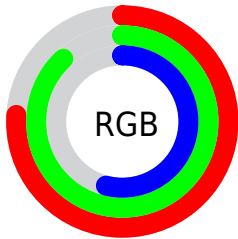
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 224, 166
Decimal	12837001
CIELab	85.36, -23.62, 39.45
CIELCh	85, 45.984, 120.905
Yxy	66.7196, 0.3483, 0.4329
Android (android.graphics.Color)	4291027081 (0xFFC3E089)
YUV	205.4110, -33.7266, -9.1304
Hunter-Lab	81.6821, -25.6438, 32.7042

# Details

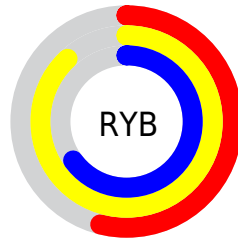
The XYZ color **53.6767, 66.7196, 33.7160** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **38.1288, 31.3820, 74.5726**, and the grayscale version is **58.4951, 61.5414, 67.0186**.

A 20% lighter version of the original color is **85.6720, 96.1642, 63.3364**, and **26.6429, 34.6073, 13.8700** is the 20% darker color. If you saturate the color by 10%, you get **50.3527, 65.1749, 26.0260**, and if you desaturate by 10%, it is **57.4341, 68.4534, 43.1703**.

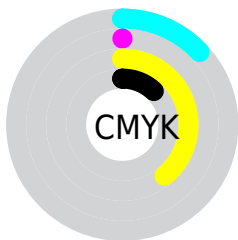
# Distribution



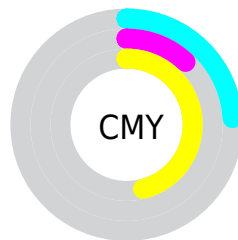
- Red (76%)
- Green (88%)
- Blue (54%)



- Red (54%)
- Yellow (88%)
- Blue (65%)



- Cyan (13%)
- Magenta (0%)
- Yellow (39%)
- Black (12%)



- Cyan (24%)
- Magenta (12%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.6767, 66.7196, 33.7160 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 53.6767, 66.7196, 33.7160 by changing the saturation by 10% instead.



■ 53.6767, 66.7196,  
33.7160

■ 53.6767, 66.7196,  
33.7160

391.0945,  
448.9460, 333.5943

■ 38.5729, 48.8568,  
22.3999

■ 94.7591, 114.5185,  
66.6206

■ 26.6069, 34.5059,  
13.9499

■ 121.4683,  
145.2234, 89.0462

■ 17.4132, 23.2825,  
7.9475

■ 152.7768,  
180.9779, 116.0121

■ 10.6267, 14.8022,  
3.9741

189.0498,  
222.1661, 147.9368

■ 5.8818, 8.6807,  
1.6111

230.6527,  
269.1727, 185.2388

■ 2.8133, 4.5335,  
0.2987


277.9509,

■ 1.0558, 1.9763,


322.3819, 228.3367


0.0000


331.3097,  
382.1783, 277.6490


 0.0000, 0.5936,  
0.0000


 0.0000, 0.0000,  
0.0000


 53.6767, 66.7196,  
33.7160


 53.6767, 66.7196,  
33.7160


 50.3527, 65.1749,  
26.0260


 57.4341, 68.4534,  
43.1703


 47.4351, 63.8015,  
19.9863

 61.6404, 70.3757,  
54.4847

 44.9008, 62.5922,  
15.4764

 66.3162, 72.4974,  
67.7533

 42.7221, 61.5358,  
12.3578

 71.4791, 74.8254,  
83.0627

■ 40.8664, 60.6191,  
10.4665

■ 77.1460, 77.3668,  
100.4940

■ 39.2845, 59.8222,  
9.5510

■ 80.5771, 79.0259,  
105.6144

■ 39.1111, 59.7345,  
9.4685

■ 83.1622, 80.3585,  
105.7354

■ 85.8529, 81.7456,  
105.8613

■ 85.9471, 81.7942,  
105.8657

# Harmonies

## Analogous

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



63.0992, 66.7196, 29.0710



53.6767, 66.7196, 33.7160



47.4783, 66.7196, 48.1778

# Triad

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



53.6767, 66.7196, 33.7160



54.1685, 66.7196, 135.1586



85.6162, 66.7196, 71.7441

# Complementary

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



53.6767, 66.7196, 33.7160



38.1288, 31.3820, 74.5726

# 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.



82.5698, 66.7196, 104.2500



53.6767, 66.7196, 33.7160



63.7318, 66.7196, 146.3911

# Square

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



53.6767, 66.7196, 33.7160



47.7397, 66.7196, 106.2592



74.2651, 66.7196, 133.7927



82.1932, 66.7196, 46.9942



# Rectangle

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



53.6767, 66.7196, 33.7160



45.6273, 66.7196, 63.9538



74.2651, 66.7196, 133.7927



85.3121, 66.7196, 82.0928

# Sweetspot

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



53.6784, 66.7226, 33.7174



86.8548, 96.2998, 84.8158



48.8945, 44.9281, 29.7628



18.4119, 20.5311, 17.6446



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

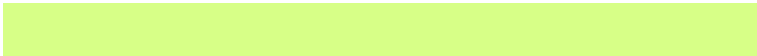


# Same Dimension

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



53.6784, 66.7226, 33.7174



68.1810, 87.7273, 36.3166



44.0287, 61.7480, 33.2658



14.4046, 15.7888, 14.5951



22.8909, 34.8332, 5.5170



1.6804, 2.4628, 0.3868



# Inverse Universe

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



38.1288, 31.3820, 74.5726



44.4379, 33.7161, 98.7735



48.8389, 36.9032, 75.0738



13.3804, 13.4642, 17.2813



9.6150, 4.0520, 41.3237



0.7591, 0.3286, 2.8687



# Previews

## White Background



This preview shows how the XYZ color 53.6767, 66.7196, 33.7160 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 53.6767, 66.7196, 33.7160 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 53.6767, 66.7196, 33.7160

## Background



This preview shows how black text looks on a background with the XYZ color 53.6767, 66.7196, 33.7160.



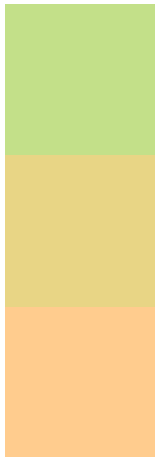
This preview shows how white text looks on a background with the XYZ color 53.6767, 66.7196,

33.7160.

# 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**

53.6767, 66.7196, 33.7160

**Protanopia**

61.3066, 66.4378, 31.7829

**Deuteranopia**

67.7154, 66.3987, 34.8384



## Tritanopia

63.8093, 66.5671, 84.3485

# Trichromacy



## Original Color

53.6767, 66.7196, 33.7160

## Protanomaly

58.3293, 66.4070, 32.2978

## Deuteranomaly

61.6322, 65.8056, 34.2643

## Tritanomaly

59.4053, 66.3077, 61.8922

# Monochromacy



## Original Color

53.6767, 66.7196, 33.7160

## Achromatopsia

58.0276, 61.0496, 66.4830

## Achromatomaly

55.8691, 62.7998, 52.3570

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.6767, 66.7196, 33.7160 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(195, 224, 137)` looks like.

```
.text, #text, p{  
    color:rgb(195, 224, 137)  
}
```

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(195, 224, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 224, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 53.6767, 66.7196, 33.7160 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(195, 224, 137) }
```



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

```
.border{ border-color:rgb(195, 224, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 224, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 224, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 224, 137);  
box-shadow:4px 4px 4px 4px rgb(195, 224,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.6767, 66.7196, 33.7160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 224, 137) }
```

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

```
.background{ background-color: rgb(195,  
224, 137) }
```

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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