

# Converting Colors

Yxy(51.0157, 0.3289, 0.5488)

Have a look what the booklet for  
Yxy(51.0157, 0.3289, 0.5488)  
contains.

<b>Yxy(51.0157, 0.3289, 0.5488)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(51.0157, 0.3289, 0.5488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CD533
RGB	108, 213, 51
RGB Percent	42%, 84%, 20%
CMY	0.5766, 0.1647, 0.7999
CMYK	0.49, 0.00, 0.76, 0.16
HSL	99°, 66%, 52%
HSV	99°, 76%, 84%
XYZ	30.5741, 51.0157, 11.3688
YIQ	163.1370, -10.5780, -72.6420

# Conversions

## Conversions Part 2

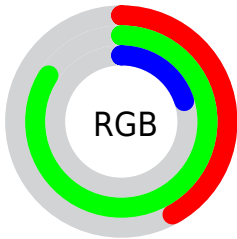
Format	Color
<a href="#">RYB</a>	<a href="#">51, 213, 156</a>
Decimal	<a href="#">7132467</a>
CIELab	<a href="#">76.69, -56.93, 65.63</a>
CIELCh	<a href="#">77, 86.880, 130.939</a>
Yxy	<a href="#">51.0157, 0.3289, 0.5488</a>
Android (android.graphics.Color)	<a href="#">4285322547 (0xFF6CD533)</a>
YUV	<a href="#">163.1370, -55.2835, -48.3551</a>
Hunter-Lab	<a href="#">71.4253, -48.5860, 40.5604</a>

# Details

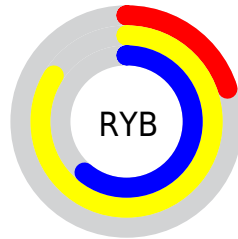
The Yxy color **51.0157, 0.3289, 0.5488** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **14.2466, 0.2552, 0.1351**, and the grayscale version is **36.9632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9490, 0.3357, 0.4971**, and **24.5854, 0.3117, 0.5907** is the 20% darker color. If you saturate the color by 10%, you get **50.0728, 0.3253, 0.5684**, and if you desaturate by 10%, it is **52.1862, 0.3308, 0.5235**.

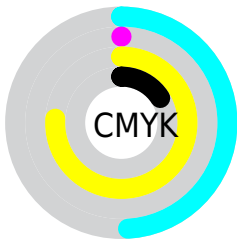
# Distribution



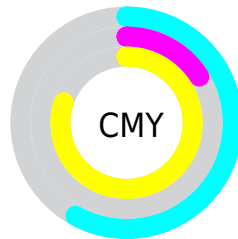
- Red (42%)
- Green (84%)
- Blue (20%)



- Red (20%)
- Yellow (84%)
- Blue (61%)



- Cyan (49%)
- Magenta (0%)
- Yellow (76%)
- Black (16%)




- Cyan (58%)
- Magenta (16%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0157, 0.3289, 0.5488 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 Yxy color 51.0157, 0.3289, 0.5488 by changing the saturation by 10% instead.





 51.0157, 0.3289,  
0.5488

 51.0157, 0.3289,  
0.5488


390.6248, 0.3301,  
0.4350


 36.2211, 0.3250,  
0.5764


 91.6780, 0.3319,  
0.5076


 24.6050, 0.3179,  
0.6103

 118.3145, 0.3323,  
0.4920

 15.7830, 0.3048,  
0.6522


 149.6670, 0.3322,  
0.4787

 9.3707, 0.2857,  
0.7143

 186.1200, 0.3320,  
0.4674

 4.9838, 0.2384,  
0.7616

 228.0579, 0.3316,  
0.4576

 2.2378, 0.1407,  
0.8593

275.8651, 0.3311,

 0.7405, 0.0000,

0.4491

1.0000

329.9259, 0.3306,  
0.4416

■ 0.0000, 0.0000,  
0.0000

■ 51.0157, 0.3289,  
0.5488

■ 51.0157, 0.3289,  
0.5488

■ 50.0728, 0.3253,  
0.5684

■ 52.1862, 0.3308,  
0.5235

■ 49.3314, 0.3204,  
0.5814

■ 53.5940, 0.3310,  
0.4943

■ 49.0838, 0.3183,  
0.5854

■ 55.2561, 0.3296,  
0.4628

■ 57.1857, 0.3271,  
0.4309

■ 59.3950, 0.3236,  
0.3999

61.8955, 0.3196,  
0.3708

64.6979, 0.3154,  
0.3440

67.8123, 0.3110,  
0.3197

71.2485, 0.3067,  
0.2981

# Harmonies

## Analogous

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



51.0157, 0.4300, 0.5134



51.0157, 0.3289, 0.5488



51.0157, 0.2289, 0.4802

# Triad

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



51.0157, 0.3289, 0.5488



51.0157, 0.1376, 0.1805



51.0157, 0.4875, 0.2870

# Complementary

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



51.0157, 0.3289, 0.5488



14.2466, 0.2552, 0.1351

# 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.



51.0157, 0.3748, 0.2251



51.0157, 0.3289, 0.5488



51.0157, 0.1788, 0.1666

# Square

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



51.0157, 0.3289, 0.5488



51.0157, 0.1299, 0.2341



51.0157, 0.2589, 0.1827



51.0157, 0.5375, 0.3584



# Rectangle

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



51.0157, 0.3289, 0.5488



51.0157, 0.1770, 0.3885



51.0157, 0.2589, 0.1827



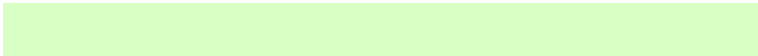
51.0157, 0.4543, 0.2649

# Sweetspot

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



51.0179, 0.3289, 0.5488



90.2689, 0.3225, 0.3915



37.3694, 0.4642, 0.4388



19.0416, 0.3239, 0.4024



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



51.0179, 0.3289, 0.5488



74.5572, 0.3225, 0.5769



48.7724, 0.2948, 0.5456



14.1062, 0.3168, 0.3527



30.0321, 0.3193, 0.5847



1.8569, 0.3330, 0.5738



# Inverse Universe

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



14.2466, 0.2552, 0.1351



16.7617, 0.2404, 0.1129



20.2960, 0.3467, 0.1848



12.4041, 0.3082, 0.3056



6.2996, 0.2346, 0.1066

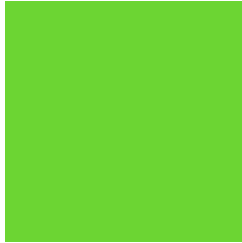


0.4254, 0.2497, 0.1149



# Previews

## White Background



This preview shows how the Yxy color 51.0157, 0.3289, 0.5488 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 Yxy color 51.0157, 0.3289, 0.5488 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](#).

**Yxy 51.0157, 0.3289, 0.5488**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.0157, 0.3289, 0.5488.



This preview shows how white text looks on a background with the Yxy color 51.0157, 0.3289, 0.5488.

# 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

51.0157, 0.3289, 0.5488

### Protanopia

50.0048, 0.4313, 0.4759

### Deuteranopia

50.2957, 0.4513, 0.4419



## Tritanopia

50.9040, 0.2580, 0.3077

# Trichromacy



## Original Color

51.0157, 0.3289, 0.5488



## Protanomaly

49.1364, 0.3901, 0.5053



## Deuteranomaly

48.4173, 0.4026, 0.4817



## Tritanomaly

49.9123, 0.2886, 0.4005

# Monochromacy



## Original Color

51.0157, 0.3289, 0.5488



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

40.2925, 0.3261, 0.4189

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0157, 0.3289, 0.5488 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(108, 213, 51)` looks like.

```
.text, #text, p{  
    color:rgb(108, 213, 51)  
}
```

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(108, 213, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 213, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0157, 0.3289, 0.5488 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(108, 213, 51) }
```

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

```
.border{ border-color:rgb(108, 213, 51) }
```

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

Here you see how a box with a 4 pixel rgb(108, 213, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 213, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 213, 51);  
box-shadow:4px 4px 4px 4px rgb(108, 213,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0157, 0.3289, 0.5488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 213, 51) }
```

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

```
.background{ background-color: rgb(108,  
213, 51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor