

# Converting Colors

$Y_{xy}(44.3265, 0.33370, 0.5578)$

Have a look what the booklet for  
Yxy(44.3265, 0.3370, 0.5578)  
contains.

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# Color

**Yxy(44.4665, 0.3367, 0.5580)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AC81E
RGB	106, 200, 30
RGB Percent	42%, 78%, 12%
CMY	0.5843, 0.2157, 0.8827
CMYK	0.47, 0.00, 0.85, 0.22
HSL	93°, 74%, 45%
HSV	93°, 85%, 78%
XYZ	26.8313, 44.4665, 8.3913
YIQ	152.5140, -1.4540, -72.7980

# Conversions

## Conversions Part 2

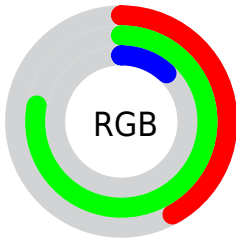
Format	Color
<b>RYB</b>	30, 200, 124
Decimal	6998046
CIELab	72.54, -53.64, 67.54
CIELCh	73, 86.249, 128.454
Yxy	44.4665, 0.3367, 0.5580
Android (android.graphics.Color)	4285188126 (0xFF6AC81E)
YUV	152.5140, -60.3994, -40.7928
Hunter-Lab	66.6832, -44.8726, 39.2173

# Details

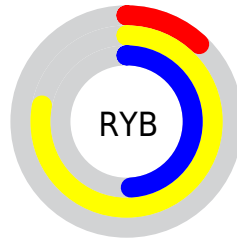
The Yxy color **44.4665, 0.3367, 0.5580** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **9.3752, 0.2284, 0.1116**, and the grayscale version is **31.8976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3096, 0.3400, 0.5128**, and **20.7222, 0.3138, 0.5890** is the 20% darker color. If you saturate the color by 10%, you get **43.7626, 0.3320, 0.5715**, and if you desaturate by 10%, it is **45.3262, 0.3395, 0.5386**.

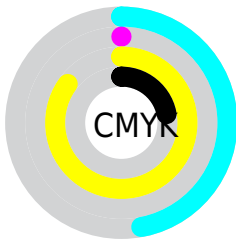
# Distribution



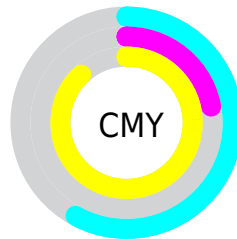
- Red (42%)
- Green (78%)
- Blue (12%)



- Red (12%)
- Yellow (78%)
- Blue (49%)



- Cyan (47%)
- Magenta (0%)
- Yellow (85%)
- Black (22%)




- Cyan (58%)
- Magenta (22%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4665, 0.3367, 0.5580 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 44.4665, 0.3367, 0.5580 by changing the saturation by 10% instead.





 44.4665, 0.3367,  
0.5580


 44.4665, 0.3367,  
0.5580


364.6086, 0.3352,  
0.4380


 31.0374, 0.3325,  
0.5870


 81.9193, 0.3393,  
0.5145

 20.6273, 0.3243,  
0.6224


 106.7117, 0.3393,  
0.4979


 12.8519, 0.3103,  
0.6686

 136.0608, 0.3389,  
0.4840

 7.3266, 0.2810,  
0.7190

 170.3508, 0.3383,  
0.4721

 3.6672, 0.2278,  
0.7722

 209.9662, 0.3376,  
0.4618

 1.4892, 0.0067,  
0.9933

 255.2913, 0.3368,


 0.2811, 0.0000,


0.4528

1.0000


306.7107, 0.3360,  
0.4449


 0.0000, 0.0000,  
0.0000


 44.4665, 0.3367,  
0.5580


 44.4665, 0.3367,  
0.5580


 43.7626, 0.3320,  
0.5715


 45.3262, 0.3395,  
0.5386

 43.4576, 0.3294,  
0.5767

 46.3498, 0.3403,  
0.5142

 47.5509, 0.3392,  
0.4862

 48.9398, 0.3363,  
0.4561

 50.5261, 0.3321,  
0.4256

■ 52.3183, 0.3271,  
0.3957

■ 54.3247, 0.3215,  
0.3675

■ 56.5527, 0.3157,  
0.3413

■ 59.0097, 0.3098,  
0.3175

# Harmonies

## Analogous

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



44.4665, 0.4399, 0.5122



44.4665, 0.3367, 0.5580



44.4665, 0.2329, 0.4975

# Triad

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



44.4665, 0.3367, 0.5580



44.4665, 0.1309, 0.1786



44.4665, 0.4863, 0.2793

# Complementary

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



44.4665, 0.3367, 0.5580



9.3752, 0.2284, 0.1116

# 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.



44.4665, 0.3661, 0.2173



44.4665, 0.3367, 0.5580



44.4665, 0.1698, 0.1620

# Square

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



44.4665, 0.3367, 0.5580



44.4665, 0.1257, 0.2371



44.4665, 0.2484, 0.1761



44.4665, 0.5444, 0.3513

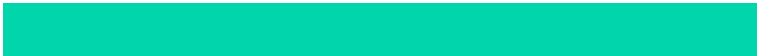


# Rectangle

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



44.4665, 0.3367, 0.5580



44.4665, 0.1777, 0.4031



44.4665, 0.2484, 0.1761



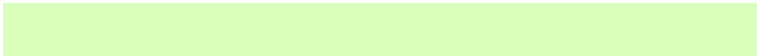
44.4665, 0.4501, 0.2570

# Sweetspot

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



44.4684, 0.3367, 0.5580



90.1412, 0.3278, 0.3997



26.6559, 0.4985, 0.4260



19.0554, 0.3296, 0.4101



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.



44.4684, 0.3367, 0.5580



75.1010, 0.3284, 0.5775



41.7287, 0.2990, 0.5791



12.1162, 0.3182, 0.3524



27.6817, 0.3304, 0.5759



1.3535, 0.3471, 0.5626



# Inverse Universe

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



9.3752, 0.2284, 0.1116



12.8780, 0.2111, 0.0937



16.9885, 0.3314, 0.1669



10.5716, 0.3068, 0.3057



4.8355, 0.2139, 0.0952

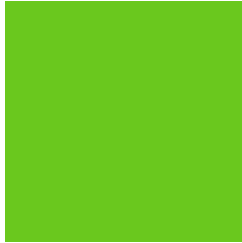


0.2715, 0.2355, 0.1071



# Previews

## White Background



This preview shows how the Yxy color 44.4665, 0.3367, 0.5580 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 44.4665, 0.3367, 0.5580 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 44.4665, 0.3367, 0.5580**

## Background



This preview shows how black text looks on a background with the Yxy color 44.4665, 0.3367, 0.5580.



This preview shows how white text looks on a background with the Yxy color 44.4665, 0.3367, 0.5580.

# 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

44.4665, 0.3367, 0.5580

### Protanopia

43.6483, 0.4370, 0.4837

### Deuteranopia

43.7566, 0.4586, 0.4491



## Tritanopia

44.1602, 0.2612, 0.3079

# Trichromacy



**Original Color**

44.4665, 0.3367, 0.5580

**Protanomaly**

42.7718, 0.3967, 0.5134

**Deuteranomaly**

42.5130, 0.4107, 0.4909

**Tritanomaly**

43.2633, 0.2963, 0.4093

# Monochromacy



**Original Color**

44.4665, 0.3367, 0.5580

**Achromatopsia**

31.8547, 0.3127, 0.3290

**Achromatomaly**

35.0664, 0.3329, 0.4286

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4665, 0.3367, 0.5580 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(106, 200, 30)` looks like.

```
.text, #text, p{  
    color:rgb(106, 200, 30)  
}
```

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(106, 200, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 200, 30) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4665, 0.3367, 0.5580 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(106, 200, 30) }
```

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

```
.border{ border-color:rgb(106, 200, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 200, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 200, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 200, 30);  
box-shadow:4px 4px 4px 4px rgb(106, 200,  
30) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4665, 0.3367, 0.5580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 200, 30) }
```

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

```
.background{ background-color: rgb(106,  
200, 30) }
```

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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