

# Converting Colors

Yxy(55.1833, 0.3237, 0.5548)

Have a look what the booklet for  
Yxy(55.1833, 0.3237, 0.5548)  
contains.

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# Color

**Yxy(55.3651, 0.3238, 0.5548)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 67DE33                       |
| RGB         | 103, 222, 51                 |
| RGB Percent | 40%, 87%, 20%                |
| CMY         | 0.5960, 0.1294, 0.8000       |
| CMYK        | 0.54, 0.00, 0.77, 0.13       |
| HSL         | 102°, 72%, 54%               |
| HSV         | 102°, 77%, 87%               |
| XYZ         | 32.3129, 55.3651, 12.1149    |
| YIQ         | 166.9250, -16.0330, -78.4090 |

# Conversions

## Conversions Part 2

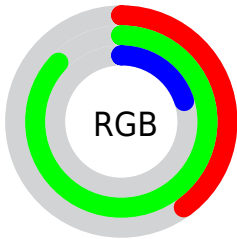
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| RYB                                 | 51, 222, 170                    |
| Decimal                             | 6807091                         |
| CIELab                              | 79.25, -61.60, 68.03            |
| CIELCh                              | 79, 91.776, 132.159             |
| Yxy                                 | 55.3651, 0.3238,<br>0.5548      |
| Android<br>(android.graphics.Color) | 4284997171<br>(0xFF67DE33)      |
| YUV                                 | 166.9250, -57.1510,<br>-56.0622 |
| Hunter-Lab                          | 74.4077, -52.6966,<br>42.4320   |

# Details

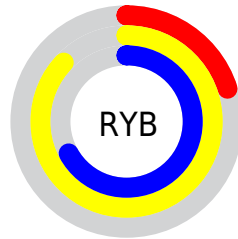
The Yxy color **55.3651, 0.3238, 0.5548** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark muted chartreuse. A complement of this color would be **16.1877, 0.2628, 0.1375**, and the grayscale version is **38.8969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5383, 0.3329, 0.4975**, and **27.5193, 0.3055, 0.5956** is the 20% darker color. If you saturate the color by 10%, you get **54.3854, 0.3200, 0.5739**, and if you desaturate by 10%, it is **56.6117, 0.3261, 0.5296**.

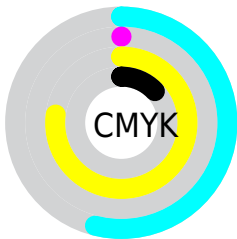
# Distribution



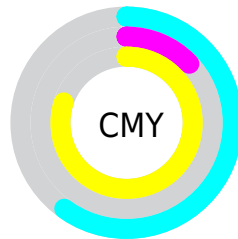
- Red (40%)
- Green (87%)
- Blue (20%)



- Red (20%)
- Yellow (87%)
- Blue (67%)



- Cyan (54%)
- Magenta (0%)
- Yellow (77%)
- Black (13%)




- Cyan (60%)
- Magenta (13%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3651, 0.3238, 0.5548 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 55.3651, 0.3238, 0.5548 by changing the saturation by 10% instead.





 55.3651, 0.3238,  
0.5548

 55.3651, 0.3238,  
0.5548

407.2944, 0.3280,  
0.4390

 39.6941, 0.3193,  
0.5825


 98.0757, 0.3279,  
0.5132

 27.3001, 0.3114,  
0.6164


 125.8841, 0.3287,  
0.4973

 17.7988, 0.2979,  
0.6579


 158.5070, 0.3290,  
0.4839

 10.8056, 0.2792,  
0.7208

 196.3290, 0.3290,  
0.4723

 5.9363, 0.2334,  
0.7666

 239.7343, 0.3289,  
0.4623

 2.8064, 0.1568,  
0.8432

289.1074, 0.3286,


 1.0315, 0.0000,


0.4535

1.0000


344.8326, 0.3283,  
0.4458


 0.0000, 0.0000,  
0.0000


 55.3651, 0.3238,  
0.5548


 55.3651, 0.3238,  
0.5548


 54.3854, 0.3200,  
0.5739


 56.6117, 0.3261,  
0.5296


 53.6408, 0.3152,  
0.5862

 58.1385, 0.3269,  
0.4999


 53.4560, 0.3138,  
0.5891


 59.9659, 0.3263,  
0.4678

 62.1102, 0.3246,  
0.4352

 64.5866, 0.3219,  
0.4035

 67.4092, 0.3188,  
0.3738

 70.5911, 0.3153,  
0.3465

 74.1450, 0.3116,  
0.3220

 78.0825, 0.3080,  
0.3001

# Harmonies

## Analogous

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



55.3651, 0.4274, 0.5197



55.3651, 0.3238, 0.5548



55.3651, 0.2225, 0.4800

# Triad

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



55.3651, 0.3238, 0.5548



55.3651, 0.1352, 0.1760



55.3651, 0.4959, 0.2884

# Complementary

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



55.3651, 0.3238, 0.5548



16.1877, 0.2628, 0.1375

# 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.



55.3651, 0.3815, 0.2250



55.3651, 0.3238, 0.5548



55.3651, 0.1784, 0.1635

# Square

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



55.3651, 0.3238, 0.5548



55.3651, 0.1259, 0.2282



55.3651, 0.2616, 0.1810



55.3651, 0.5433, 0.3608



# Rectangle

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



55.3651, 0.3238, 0.5548



55.3651, 0.1710, 0.3840



55.3651, 0.2616, 0.1810



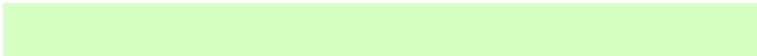
55.3651, 0.4626, 0.2658

# Sweetspot

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



55.3675, 0.3238, 0.5548



89.8458, 0.3208, 0.3918



43.7202, 0.4578, 0.4478



18.9408, 0.3219, 0.4029



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.



55.3675, 0.3238, 0.5548



73.8343, 0.3173, 0.5817



53.5628, 0.2918, 0.5386



15.5383, 0.3161, 0.3529



31.8019, 0.3147, 0.5883



2.2502, 0.3263, 0.5791



# Inverse Universe

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



16.1877, 0.2628, 0.1375



17.8820, 0.2501, 0.1177



21.6443, 0.3585, 0.1908



13.7156, 0.3090, 0.3056



7.3023, 0.2455, 0.1126

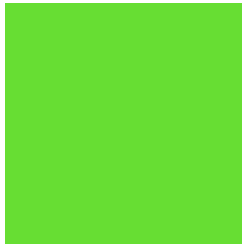


0.5524, 0.2575, 0.1192



# Previews

## White Background



This preview shows how the Yxy color 55.3651, 0.3238, 0.5548 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 55.3651, 0.3238, 0.5548 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

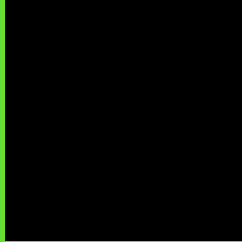
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.3651, 0.3238, 0.5548**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.3651, 0.3238, 0.5548.



This preview shows how white text looks on a background with the Yxy color 55.3651, 0.3238, 0.5548.

# 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

55.3651, 0.3238, 0.5548

### Protanopia

54.2721, 0.4325, 0.4772

### Deuteranopia

54.1579, 0.4523, 0.4427



## Tritanopia

55.0758, 0.2541, 0.3070

# Trichromacy



## Original Color

55.3651, 0.3238, 0.5548



## Protanomaly

53.2150, 0.3873, 0.5091



## Deuteranomaly

51.9316, 0.4002, 0.4858



## Tritanomaly

53.8711, 0.2844, 0.4017

# Monochromacy



## Original Color

55.3651, 0.3238, 0.5548



## Achromatopsia

38.6429, 0.3127, 0.3290



## Achromatomaly

42.9506, 0.3237, 0.4216

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3651, 0.3238, 0.5548 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(103, 222, 51)` looks like.

```
.text, #text, p{  
    color:rgb(103, 222, 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(103, 222, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 222, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3651, 0.3238, 0.5548 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(103, 222, 51) }
```

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

```
.border{ border-color:rgb(103, 222, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 222, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 222, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 222, 51);  
box-shadow:4px 4px 4px 4px rgb(103, 222,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3651, 0.3238, 0.5548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 222, 51) }
```

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

```
.background{ background-color: rgb(103,  
222, 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](#).

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