

# Converting Colors

$Y_{xy}(62.8909, 0.3112, 0.5495)$

Have a look what the booklet for  
Yxy(62.8909, 0.3112, 0.5495)  
contains.

<b>Yxy(62.6959, 0.3111, 0.5498)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(62.6959, 0.3111, 0.5498)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5CEC45
RGB	92, 236, 69
RGB Percent	36%, 93%, 27%
CMY	0.6396, 0.0745, 0.7294
CMYK	0.61, 0.00, 0.71, 0.07
HSL	112°, 81%, 60%
HSV	112°, 71%, 93%
XYZ	35.4760, 62.6959, 15.8621
YIQ	173.9060, -32.2170, -82.4650

# Conversions

## Conversions Part 2

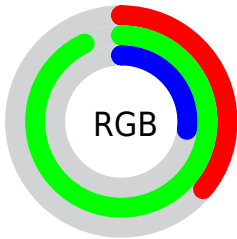
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 236, 213
Decimal	6089797
CIELab	83.28, -67.94, 65.94
CIELCh	83, 94.679, 135.856
Yxy	62.6959, 0.3111, 0.5498
Android (android.graphics.Color)	4284279877 (0xFF5CEC45)
YUV	173.9060, -51.7187, -71.8316
Hunter-Lab	79.1807, -58.5915, 43.5491

# Details

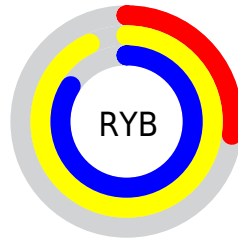
The Yxy color **62.6959, 0.3111, 0.5498** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **24.4779, 0.2964, 0.1622**, and the grayscale version is **42.5481, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0943, 0.3212, 0.4833**, and **32.2402, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **61.5511, 0.3086, 0.5735**, and if you desaturate by 10%, it is **64.2442, 0.3130, 0.5200**.

# Distribution



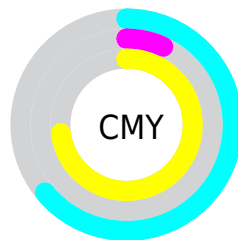
- Red (36%)
- Green (93%)
- Blue (27%)



- Red (27%)
- Yellow (93%)
- Blue (84%)



- Cyan (61%)
- Magenta (0%)
- Yellow (71%)
- Black (7%)




- Cyan (64%)
- Magenta (7%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6959, 0.3111, 0.5498 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 62.6959, 0.3111, 0.5498 by changing the saturation by 10% instead.




 62.6959, 0.3111,  
0.5498

 62.6959, 0.3111,  
0.5498

434.4650, 0.3204,  
0.4376


 45.5952, 0.3060,  
0.5767

 108.7307, 0.3165,  
0.5095


 31.9265, 0.2981,  
0.6098


 138.4336, 0.3180,  
0.4942

 21.3054, 0.2852,  
0.6510


 173.1060, 0.3189,  
0.4811

 13.3474, 0.2645,  
0.7035

 213.1324, 0.3196,  
0.4699

 7.6682, 0.2302,  
0.7698

 258.8971, 0.3200,  
0.4602

 3.8834, 0.1693,  
0.8307

310.7845, 0.3202,

 1.6085, 0.0000,

0.4517

1.0000

369.1790, 0.3203,  
0.4442

■ 0.3634, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.6959, 0.3111,  
0.5498

■ 62.6959, 0.3111,  
0.5498

■ 61.5511, 0.3086,  
0.5735

■ 64.2442, 0.3130,  
0.5200


■ 60.7639, 0.3057,  
0.5894


■ 66.2211, 0.3143,  
0.4865


■ 60.3113, 0.3032,  
0.5975

■ 68.6586, 0.3149,  
0.4518

■ 71.5836, 0.3149,  
0.4177

 75.0207, 0.3145,  
0.3858

 78.9931, 0.3137,  
0.3568

 83.5223, 0.3128,  
0.3308

 88.4460, 0.3135,  
0.3107

 88.4785, 0.3136,  
0.3107

# Harmonies

## Analogous

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



62.6959, 0.4149, 0.5263



62.6959, 0.3111, 0.5498



62.6959, 0.2128, 0.4619

# Triad

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



62.6959, 0.3111, 0.5498



62.6959, 0.1398, 0.1738



62.6959, 0.5044, 0.2975

# Complementary

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



62.6959, 0.3111, 0.5498



24.4779, 0.2964, 0.1622

# 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.



62.6959, 0.3964, 0.2328



62.6959, 0.3111, 0.5498



62.6959, 0.1874, 0.1653

# Square

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



62.6959, 0.3111, 0.5498



62.6959, 0.1266, 0.2201



62.6959, 0.2752, 0.1861



62.6959, 0.5411, 0.3704



# Rectangle

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



62.6959, 0.3111, 0.5498



62.6959, 0.1649, 0.3657



62.6959, 0.2752, 0.1861



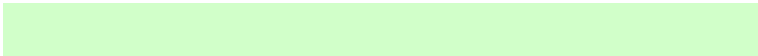
62.6959, 0.4741, 0.2747

# Sweetspot

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



62.6985, 0.3111, 0.5498



89.2831, 0.3145, 0.3868



64.8347, 0.4247, 0.4670



18.8549, 0.3146, 0.3954



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.



62.6985, 0.3111, 0.5498



72.8892, 0.3073, 0.5818



62.8083, 0.2803, 0.4848



16.9611, 0.3136, 0.3532



33.2725, 0.3038, 0.5970



2.6440, 0.3109, 0.5913



# Inverse Universe

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



24.4779, 0.2964, 0.1622



24.6759, 0.2912, 0.1440



25.2890, 0.3908, 0.2210



15.2030, 0.3116, 0.3056



10.4292, 0.2866, 0.1352

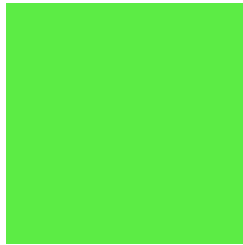


0.8478, 0.2916, 0.1380



# Previews

## White Background



This preview shows how the Yxy color 62.6959, 0.3111, 0.5498 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 62.6959, 0.3111, 0.5498 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

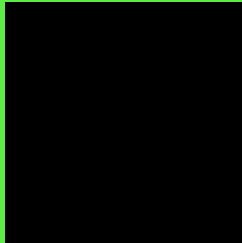
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.6959, 0.3111, 0.5498**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.6959, 0.3111, 0.5498.

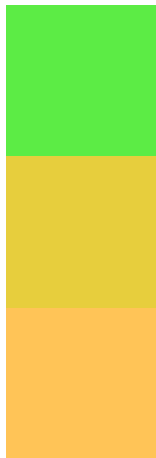


This preview shows how white text looks on a background with the Yxy color 62.6959, 0.3111, 0.5498.

# 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

62.6959, 0.3111, 0.5498

### Protanopia

61.4685, 0.4275, 0.4704

### Deuteranopia

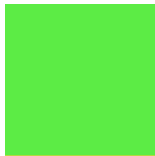
61.4280, 0.4425, 0.4335



## Tritanopia

62.0266, 0.2475, 0.3066

# Trichromacy



## Original Color

62.6959, 0.3111, 0.5498



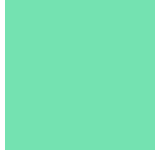
## Protanomaly

59.6992, 0.3767, 0.5047



## Deuteranomaly

58.9035, 0.3867, 0.4794



## Tritanomaly

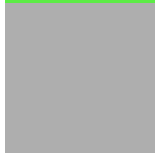
61.2800, 0.2735, 0.3958

# Monochromacy



## Original Color

62.6959, 0.3111, 0.5498



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

47.6394, 0.3146, 0.4174

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6959, 0.3111, 0.5498 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(92, 236, 69)` looks like.

```
.text, #text, p{  
    color:rgb(92, 236, 69)  
}
```

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(92, 236, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 236, 69) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6959, 0.3111, 0.5498 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(92, 236, 69) }
```

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

```
.border{ border-color:rgb(92, 236, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 236, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 236, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 236, 69);  
box-shadow:4px 4px 4px 4px rgb(92, 236,  
69) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6959, 0.3111, 0.5498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 236, 69) }
```

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

```
.background{ background-color: rgb(92, 236,  
69) }
```

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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