

# Converting Colors

Yxy(55.4631, 0.3031, 0.4874)

Have a look what the booklet for  
Yxy(55.4631, 0.3031, 0.4874)  
contains.

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# Color

**Yxy(55.4599, 0.3031, 0.4869)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6BDC6F
RGB	107, 220, 111
RGB Percent	42%, 86%, 44%
CMY	0.5804, 0.1372, 0.5648
CMYK	0.51, 0.00, 0.50, 0.14
HSL	122°, 62%, 64%
HSV	122°, 51%, 86%
XYZ	34.5243, 55.4599, 23.9199
YIQ	173.7870, -32.3590, -57.8550

# Conversions

## Conversions Part 2

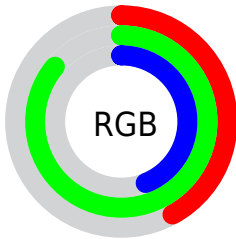
Format	Color
<a href="#">RYB</a>	<a href="#">107, 216, 220</a>
Decimal	<a href="#">7068783</a>
CIELab	<a href="#">79.31, -54.05, 43.64</a>
CIElCh	<a href="#">79, 69.468, 141.081</a>
Yxy	<a href="#">55.4599, 0.3031, 0.4869</a>
Android (android.graphics.Color)	<a href="#">4285258863 (0xFF6BDC6F)</a>
YUV	<a href="#">173.7870, -30.9540, -58.5722</a>
Hunter-Lab	<a href="#">74.4714, -47.5738, 33.0863</a>

# Details

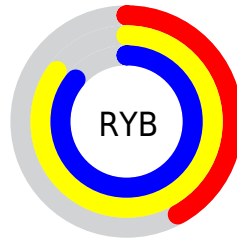
The Yxy color **55.4599, 0.3031, 0.4869** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.6884, 0.3225, 0.2098**, and the grayscale version is **42.3860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2359, 0.3077, 0.4358**, and **27.3908, 0.2944, 0.5345** is the 20% darker color. If you saturate the color by 10%, you get **53.8546, 0.3015, 0.5208**, and if you desaturate by 10%, it is **57.5277, 0.3050, 0.4518**.

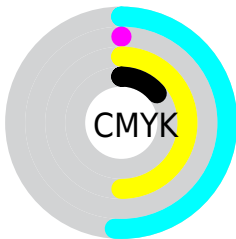
# Distribution



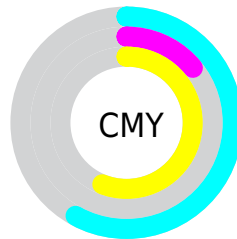
- Red (42%)
- Green (86%)
- Blue (44%)



- Red (42%)
- Yellow (85%)
- Blue (86%)



- Cyan (51%)
- Magenta (0%)
- Yellow (50%)
- Black (14%)




- Cyan (58%)
- Magenta (14%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4599, 0.3031, 0.4869 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 55.4599, 0.3031, 0.4869 by changing the saturation by 10% instead.





 55.4599, 0.3031,  
0.4869


 55.4599, 0.3031,  
0.4869

407.6529, 0.3117,  
0.4047

 39.7701, 0.2997,  
0.5080


 98.2145, 0.3072,  
0.4565

 27.3593, 0.2945,  
0.5351

 126.0480, 0.3084,  
0.4452

 17.8433, 0.2863,  
0.5710


 158.6981, 0.3094,  
0.4357

 10.8375, 0.2724,  
0.6199

 196.5494, 0.3101,  
0.4277

 5.9577, 0.2496,  
0.6943

239.9861, 0.3106,  
0.4207

 2.8194, 0.2016,  
0.7984

289.3926, 0.3111,


 1.0382, 0.0000,


0.4147


1.0000

345.1534, 0.3114,  
0.4094


 0.0000, 0.0000,  
0.0000


 55.4599, 0.3031,  
0.4869


 55.4599, 0.3031,  
0.4869


 53.8546, 0.3015,  
0.5208


 57.5277, 0.3050,  
0.4518

 52.6700, 0.3003,  
0.5510


 60.0824, 0.3069,  
0.4178


 51.8686, 0.2996,  
0.5750


 63.1546, 0.3089,  
0.3860


 51.4029, 0.2995,  
0.5909

 66.7707, 0.3108,  
0.3574

 51.2066, 0.2995,  
0.5982

 70.9553, 0.3125,  
0.3322

 75.7314, 0.3141,  
0.3102

 79.6695, 0.3143,  
0.2950

# Harmonies

## Analogous

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



55.4599, 0.3880, 0.4928



55.4599, 0.3031, 0.4869



55.4599, 0.2253, 0.4102

# Triad

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



55.4599, 0.3031, 0.4869



55.4599, 0.1762, 0.2008



55.4599, 0.4699, 0.3186

# Complementary

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



55.4599, 0.3031, 0.4869



30.6884, 0.3225, 0.2098

# 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.



55.4599, 0.3947, 0.2612



55.4599, 0.3031, 0.4869



55.4599, 0.2230, 0.1966

# Square

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



55.4599, 0.3031, 0.4869



55.4599, 0.1603, 0.2362



55.4599, 0.3004, 0.2181



55.4599, 0.4919, 0.3823



# Rectangle

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



55.4599, 0.3031, 0.4869



55.4599, 0.1884, 0.3415



55.4599, 0.3004, 0.2181



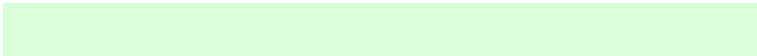
55.4599, 0.4496, 0.2984

# Sweetspot

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



55.4622, 0.3031, 0.4869



91.3008, 0.3101, 0.3678



66.8862, 0.3844, 0.4539



19.3117, 0.3097, 0.3739



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.



55.4622, 0.3031, 0.4869



75.0250, 0.3013, 0.5245



57.1146, 0.2733, 0.4038



14.6137, 0.3111, 0.3523



30.0542, 0.2993, 0.5976



1.9497, 0.2973, 0.5903



# Inverse Universe

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



30.6884, 0.3225, 0.2098



36.6560, 0.3246, 0.1899



28.2588, 0.3885, 0.2672



13.2665, 0.3143, 0.3068



11.7298, 0.3299, 0.1591



0.7625, 0.3283, 0.1582



# Previews

## White Background



This preview shows how the Yxy color 55.4599, 0.3031, 0.4869 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 55.4599, 0.3031, 0.4869 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 55.4599, 0.3031, 0.4869**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.4599, 0.3031, 0.4869.



This preview shows how white text looks on a background with the Yxy color 55.4599, 0.3031, 0.4869.

# 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

55.4599, 0.3031, 0.4869

### Protanopia

54.4366, 0.4001, 0.4361

### Deuteranopia

54.2826, 0.4117, 0.4028



## Tritanopia

55.3991, 0.2533, 0.3082

# Trichromacy



## Original Color

55.4599, 0.3031, 0.4869



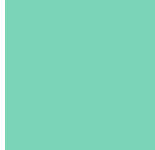
## Protanomaly

53.4358, 0.3595, 0.4569



## Deuteranomaly

52.4679, 0.3660, 0.4332



## Tritanomaly

54.7168, 0.2716, 0.3692

# Monochromacy



## Original Color

55.4599, 0.3031, 0.4869



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

45.9800, 0.3092, 0.3864

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.4599, 0.3031, 0.4869 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(107, 220, 111)` looks like.

```
.text, #text, p{  
    color:rgb(107, 220, 111)  
}
```

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(107, 220, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 220, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 55.4599, 0.3031, 0.4869 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(107, 220, 111) }
```

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

```
.border{ border-color:rgb(107, 220, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 220, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 220, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 220, 111);  
box-shadow:4px 4px 4px 4px rgb(107, 220,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.4599, 0.3031, 0.4869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 220, 111) }
```

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

```
.background{ background-color: rgb(107,  
220, 111) }
```

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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