

# Converting Colors

Yxy(58.2435, 0.2911, 0.4553)

Have a look what the booklet for  
Yxy(58.2435, 0.2911, 0.4553)  
contains.

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# Color

**Yxy(58.2770, 0.2910, 0.4548)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CE088
RGB	108, 224, 136
RGB Percent	42%, 88%, 53%
CMY	0.5763, 0.1216, 0.4667
CMYK	0.52, 0.00, 0.39, 0.12
HSL	134°, 65%, 65%
HSV	134°, 52%, 88%
XYZ	37.2881, 58.2770, 32.5726
YIQ	179.2840, -40.8880, -51.9600

# Conversions

## Conversions Part 2

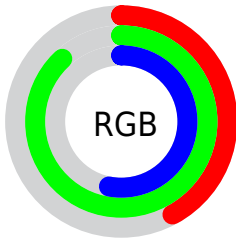
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 201, 224
Decimal	7135368
CIELab	80.89, -51.61, 33.30
CIELCh	81, 61.421, 147.174
Yxy	58.2770, 0.2910, 0.4548
Android (android.graphics.Color)	4285325448 (0xFF6CE088)
YUV	179.2840, -21.3390, -62.5161
Hunter-Lab	76.3394, -46.4054, 28.1396

# Details

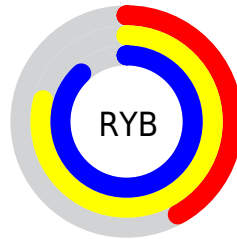
The Yxy color **58.2770, 0.2910, 0.4548** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **30.5715, 0.3481, 0.2309**, and the grayscale version is **45.3786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.3447, 0.2954, 0.4051**, and **29.1966, 0.2816, 0.4930** is the 20% darker color. If you saturate the color by 10%, you get **56.6043, 0.2888, 0.4838**, and if you desaturate by 10%, it is **60.3920, 0.2942, 0.4263**.

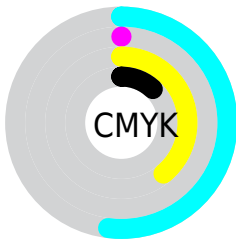
# Distribution



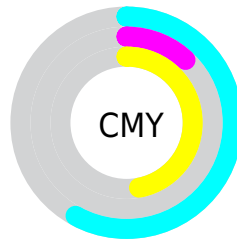
- Red (42%)
- Green (88%)
- Blue (53%)



- Red (42%)
- Yellow (79%)
- Blue (88%)



- Cyan (52%)
- Magenta (0%)
- Yellow (39%)
- Black (12%)




- Cyan (58%)
- Magenta (12%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.2770, 0.2910, 0.4548 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 58.2770, 0.2910, 0.4548 by changing the saturation by 10% instead.





 58.2770, 0.2910,  
0.4548


 58.2770, 0.2910,  
0.4548


418.2173, 0.3039,  
0.3900


 42.0314, 0.2872,  
0.4714


 102.3261, 0.2962,  
0.4309

 29.1259, 0.2819,  
0.4928


 130.8984, 0.2979,  
0.4220

 19.1761, 0.2743,  
0.5214


 164.3484, 0.2994,  
0.4146

 11.7976, 0.2626,  
0.5613

203.0604, 0.3006,  
0.4082

 6.6060, 0.2432,  
0.6196

247.4190, 0.3016,  
0.4027

 3.2169, 0.2166,  
0.7396

297.8084, 0.3025,

 1.2460, 0.0000,

0.3979

1.0000

354.6130, 0.3032,  
0.3937

■ 0.0988, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 58.2770, 0.2910,  
0.4548

■ 58.2770, 0.2910,  
0.4548

■ 56.6043, 0.2888,  
0.4838

■ 60.3920, 0.2942,  
0.4263

■ 55.3348, 0.2880,  
0.5121

■ 62.9707, 0.2982,  
0.3993


■ 54.4346, 0.2886,  
0.5379

■ 66.0416, 0.3026,  
0.3745

■ 53.8608, 0.2906,  
0.5598

■ 69.6288, 0.3072,  
0.3521

 53.5767, 0.2929,  
0.5743

 73.7550, 0.3119,  
0.3322

 78.4412, 0.3165,  
0.3148

 81.7906, 0.3141,  
0.2989

# Harmonies

## Analogous

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



58.2770, 0.3668, 0.4754



58.2770, 0.2910, 0.4548



58.2770, 0.2252, 0.3816

# Triad

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



58.2770, 0.2910, 0.4548



58.2770, 0.1973, 0.2122



58.2770, 0.4579, 0.3331

# Complementary

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



58.2770, 0.2910, 0.4548



30.5715, 0.3481, 0.2309

# 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.



58.2770, 0.4002, 0.2791



58.2770, 0.2910, 0.4548



58.2770, 0.2458, 0.2128

# Square

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



58.2770, 0.2910, 0.4548



58.2770, 0.1771, 0.2391



58.2770, 0.3190, 0.2366



58.2770, 0.4681, 0.3913



# Rectangle

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



58.2770, 0.2910, 0.4548



58.2770, 0.1955, 0.3240



58.2770, 0.3190, 0.2366



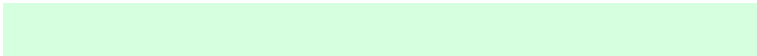
58.2770, 0.4432, 0.3143

# Sweetspot

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



58.2794, 0.2910, 0.4548



91.2298, 0.3052, 0.3615



66.2572, 0.3666, 0.4638



19.3146, 0.3042, 0.3662



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.



58.2794, 0.2910, 0.4548



75.8051, 0.2887, 0.4858



60.3558, 0.2610, 0.3709



15.3911, 0.3083, 0.3473



31.2011, 0.2922, 0.5719



2.1767, 0.2840, 0.5423



# Inverse Universe

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



30.5715, 0.3481, 0.2309



34.7955, 0.3580, 0.2147



28.4466, 0.4204, 0.2934



13.8762, 0.3174, 0.3114



10.9330, 0.3928, 0.1937

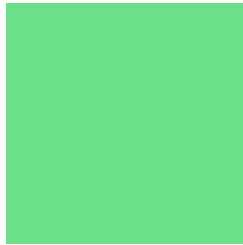


0.7715, 0.3794, 0.1864



# Previews

## White Background



This preview shows how the Yxy color 58.2770, 0.2910, 0.4548 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 58.2770, 0.2910, 0.4548 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 58.2770, 0.2910, 0.4548**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.2770, 0.2910, 0.4548.

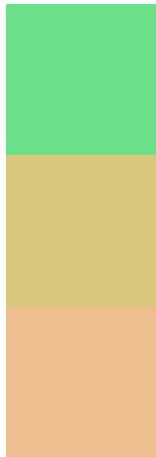


This preview shows how white text looks on a background with the Yxy color 58.2770, 0.2910, 0.4548.

# 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

58.2770, 0.2910, 0.4548

### Protanopia

57.1049, 0.3830, 0.4141

### Deuteranopia

57.2797, 0.3900, 0.3813



## Tritanopia

58.1270, 0.2508, 0.3073

# Trichromacy



## Original Color

58.2770, 0.2910, 0.4548



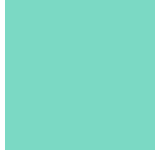
## Protanomaly

56.0706, 0.3430, 0.4301



## Deuteranomaly

55.5821, 0.3475, 0.4075



## Tritanomaly

57.8222, 0.2653, 0.3572

# Monochromacy



## Original Color

58.2770, 0.2910, 0.4548



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

48.4469, 0.3029, 0.3737

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.2770, 0.2910, 0.4548 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, 224, 136)` looks like.

```
.text, #text, p{  
    color:rgb(108, 224, 136)  
}
```

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, 224, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 224, 136) }
```

## Border

The CSS property to change the border of an element to Yxy 58.2770, 0.2910, 0.4548 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, 224, 136) }
```

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

```
.border{ border-color:rgb(108, 224, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 224, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 224, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 224, 136);  
box-shadow:4px 4px 4px 4px rgb(108, 224,  
136) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.2770, 0.2910, 0.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 224, 136) }
```

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

```
.background{ background-color: rgb(108,  
224, 136) }
```

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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