

# Converting Colors

Yxy(58.8639, 0.3064, 0.4546)

Have a look what the booklet for  
Yxy(58.8639, 0.3064, 0.4546)  
contains.

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# Color

**Yxy(58.7338, 0.3063, 0.4537)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83DE84
RGB	131, 222, 132
RGB Percent	51%, 87%, 52%
CMY	0.4860, 0.1294, 0.4824
CMYK	0.41, 0.00, 0.41, 0.13
HSL	121°, 58%, 69%
HSV	121°, 41%, 87%
XYZ	39.6521, 58.7338, 31.0692
YIQ	184.5310, -25.3460, -47.2820

# Conversions

## Conversions Part 2

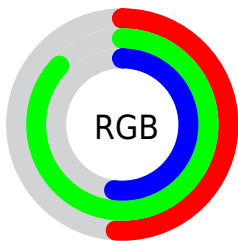
Format	Color
<b>RYB</b>	131, 221, 222
Decimal	8642180
CIELab	81.15, -45.12, 35.82
CIElCh	81, 57.614, 141.556
Yxy	58.7338, 0.3063, 0.4537
Android (android.graphics.Color)	4286832260 (0xFF83DE84)
YUV	184.5310, -25.8978, -46.9467
Hunter-Lab	76.6380, -41.7614, 29.6103

# Details

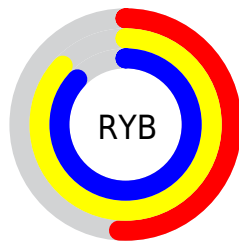
The Yxy color **58.7338, 0.3063, 0.4537** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **37.0028, 0.3183, 0.2295**, and the grayscale version is **48.4065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7565, 0.3102, 0.4070**, and **29.3624, 0.3009, 0.4903** is the 20% darker color. If you saturate the color by 10%, you get **56.6090, 0.3046, 0.4895**, and if you desaturate by 10%, it is **61.3700, 0.3080, 0.4188**.

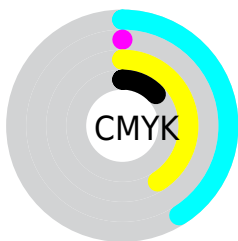
# Distribution



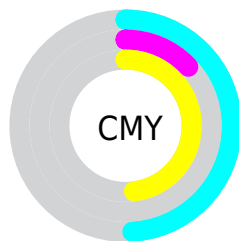
- Red (51%)
- Green (87%)
- Blue (52%)



- Red (51%)
- Yellow (87%)
- Blue (87%)



- Cyan (41%)
- Magenta (0%)
- Yellow (41%)
- Black (13%)




- Cyan (49%)
- Magenta (13%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.7338, 0.3063, 0.4537 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 58.7338, 0.3063, 0.4537 by changing the saturation by 10% instead.




 58.7338, 0.3063,  
0.4537

 58.7338, 0.3063,  
0.4537


419.9147, 0.3118,  
0.3899

 42.3989, 0.3042,  
0.4698


 102.9907, 0.3089,  
0.4303

 29.4137, 0.3010,  
0.4906


 131.6814, 0.3096,  
0.4216

 19.3940, 0.2961,  
0.5181


 165.2595, 0.3103,  
0.4142

 11.9553, 0.2880,  
0.5560


204.1094, 0.3107,  
0.4079

 6.7133, 0.2732,  
0.6105

248.6155, 0.3111,  
0.4025

 3.2834, 0.2578,  
0.7323

299.1621, 0.3114,

 1.2814, 0.0526,

0.3978

0.9474

356.1337, 0.3116,  
0.3936

0.1268, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

58.7338, 0.3063,  
0.4537

58.7338, 0.3063,  
0.4537

56.6090, 0.3046,  
0.4895

61.3700, 0.3080,  
0.4188

54.9557, 0.3029,  
0.5238


64.5399, 0.3097,  
0.3864

53.7402, 0.3016,  
0.5541


68.2732, 0.3112,  
0.3571


52.9209, 0.3006,  
0.5776

72.5955, 0.3126,  
0.3313

 52.4483, 0.3001,  
0.5927

 77.5307, 0.3138,  
0.3089

 52.2455, 0.2999,  
0.5995

 80.7206, 0.3142,  
0.2970

# Harmonies

## Analogous

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



58.7338, 0.3773, 0.4638



58.7338, 0.3063, 0.4537



58.7338, 0.2408, 0.3930

# Triad

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



58.7338, 0.3063, 0.4537



58.7338, 0.1980, 0.2215



58.7338, 0.4414, 0.3236

# Complementary

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



58.7338, 0.3063, 0.4537



37.0028, 0.3183, 0.2295

# 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.



58.7338, 0.3812, 0.2735



58.7338, 0.3063, 0.4537



58.7338, 0.2393, 0.2171

# Square

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



58.7338, 0.3063, 0.4537



58.7338, 0.1838, 0.2529



58.7338, 0.3048, 0.2359



58.7338, 0.4605, 0.3787

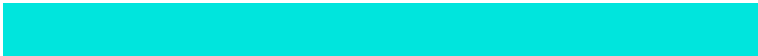


# Rectangle

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



58.7338, 0.3063, 0.4537



58.7338, 0.2090, 0.3395



58.7338, 0.3048, 0.2359



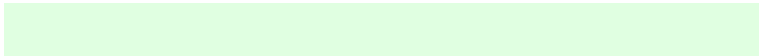
58.7338, 0.4250, 0.3060

# Sweetspot

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



58.7363, 0.3063, 0.4537



92.8517, 0.3111, 0.3602



69.4100, 0.3737, 0.4299



19.7229, 0.3109, 0.3639



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.



58.7363, 0.3063, 0.4537



77.9170, 0.3048, 0.4838



60.2264, 0.2811, 0.3903



15.3395, 0.3114, 0.3530



31.0350, 0.2998, 0.5993



2.1520, 0.2993, 0.5973



# Inverse Universe

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



37.0028, 0.3183, 0.2295



44.3774, 0.3194, 0.2113



34.9339, 0.3641, 0.2757



13.9331, 0.3140, 0.3061



12.2869, 0.3234, 0.1555



0.8524, 0.3230, 0.1553



# Previews

## White Background



This preview shows how the Yxy color 58.7338, 0.3063, 0.4537 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 58.7338, 0.3063, 0.4537 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

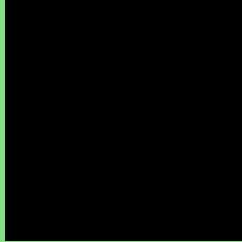
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 58.7338, 0.3063, 0.4537**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.7338, 0.3063, 0.4537.

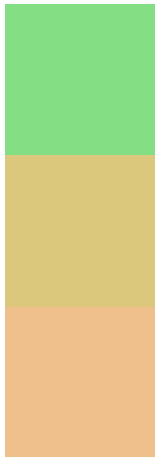


This preview shows how white text looks on a background with the Yxy color 58.7338, 0.3063, 0.4537.

# 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

58.7338, 0.3063, 0.4537

### Protanopia

57.8239, 0.3857, 0.4168

### Deuteranopia

57.9141, 0.3953, 0.3874



## Tritanopia

58.6740, 0.2616, 0.3078

# Trichromacy



## Original Color

58.7338, 0.3063, 0.4537



## Protanomaly

57.2089, 0.3532, 0.4310



## Deuteranomaly

56.7688, 0.3595, 0.4113



## Tritanomaly

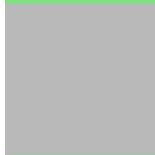
58.2908, 0.2779, 0.3579

# Monochromacy



## Original Color

58.7338, 0.3063, 0.4537



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

51.1407, 0.3099, 0.3721

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.7338, 0.3063, 0.4537 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(131, 222, 132)` looks like.

```
.text, #text, p{  
    color:rgb(131, 222, 132)  
}
```

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(131, 222, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 222, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 58.7338, 0.3063, 0.4537 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(131, 222, 132) }
```

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

```
.border{ border-color:rgb(131, 222, 132) }
```

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

Here you see how a box with a 4 pixel rgb(131, 222, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 222, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 222, 132);  
box-shadow:4px 4px 4px 4px rgb(131, 222,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.7338, 0.3063, 0.4537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 222, 132) }
```

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

```
.background{ background-color: rgb(131,  
222, 132) }
```

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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