

# Converting Colors

$Y_{xy}(57.5228, 0.3050, 0.4523)$

Have a look what the booklet for  
Yxy(57.5228, 0.3050, 0.4523)  
contains.

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# Color

**Yxy(57.5195, 0.3051, 0.4521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81DC84
RGB	129, 220, 132
RGB Percent	51%, 86%, 52%
CMY	0.4939, 0.1373, 0.4823
CMYK	0.41, 0.00, 0.40, 0.14
HSL	122°, 57%, 68%
HSV	122°, 41%, 86%
XYZ	38.8171, 57.5195, 30.8908
YIQ	182.7590, -25.9880, -46.6600

# Conversions

## Conversions Part 2

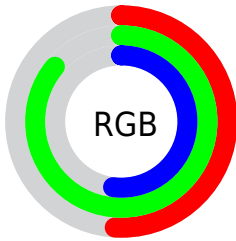
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 217, 220
Decimal	8510596
CIELab	80.47, -44.86, 34.91
CIELCh	80, 56.843, 142.108
Yxy	57.5195, 0.3051, 0.4521
Android (android.graphics.Color)	4286700676 (0xFF81DC84)
YUV	182.7590, -25.0242, -47.1466
Hunter-Lab	75.8416, -41.3634, 28.9399

# Details

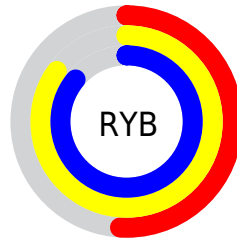
The Yxy color **57.5195, 0.3051, 0.4521** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **35.9390, 0.3203, 0.2307**, and the grayscale version is **47.3726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5043, 0.3090, 0.4073**, and **28.5615, 0.2996, 0.4887** is the 20% darker color. If you saturate the color by 10%, you get **55.4553, 0.3033, 0.4872**, and if you desaturate by 10%, it is **60.0782, 0.3070, 0.4179**.

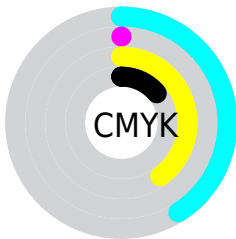
# Distribution



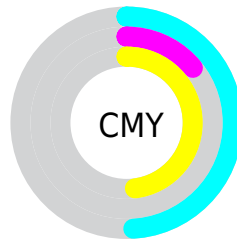
- Red (51%)
- Green (86%)
- Blue (52%)



- Red (51%)
- Yellow (85%)
- Blue (86%)



- Cyan (41%)
- Magenta (0%)
- Yellow (40%)
- Black (14%)




- Cyan (49%)
- Magenta (14%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.5195, 0.3051, 0.4521 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 57.5195, 0.3051, 0.4521 by changing the saturation by 10% instead.




 57.5195, 0.3051,  
0.4521


 57.5195, 0.3051,  
0.4521


415.3931, 0.3111,  
0.3889

 41.4225, 0.3029,  
0.4682


 101.2228, 0.3078,  
0.4289

 28.6493, 0.2996,  
0.4889


 129.5979, 0.3087,  
0.4202

 18.8157, 0.2945,  
0.5164


 162.8344, 0.3094,  
0.4129

 11.5372, 0.2861,  
0.5546

201.3169, 0.3099,  
0.4067

 6.4294, 0.2709,  
0.6098

245.4295, 0.3103,  
0.4013

 3.1079, 0.2559,  
0.7377

295.5569, 0.3106,

 1.1883, 0.0056,

0.3967

0.9944

352.0833, 0.3109,  
0.3926

■ 0.0521, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.5195, 0.3051,  
0.4521

■ 57.5195, 0.3051,  
0.4521

■ 55.4553, 0.3033,  
0.4872

■ 60.0782, 0.3070,  
0.4179

■ 53.8472, 0.3017,  
0.5212

■ 63.1528, 0.3090,  
0.3861

■ 52.6626, 0.3004,  
0.5514


■ 66.7721, 0.3108,  
0.3575

■ 51.8616, 0.2997,  
0.5753

■ 70.9605, 0.3125,  
0.3321

 51.3966, 0.2996,  
0.5912

 75.7412, 0.3140,  
0.3101

 51.2006, 0.2995,  
0.5983

 79.6648, 0.3143,  
0.2950

# Harmonies

## Analogous

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



57.5195, 0.3758, 0.4632



57.5195, 0.3051, 0.4521



57.5195, 0.2402, 0.3911

# Triad

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



57.5195, 0.3051, 0.4521



57.5195, 0.1991, 0.2218



57.5195, 0.4414, 0.3247

# Complementary

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



57.5195, 0.3051, 0.4521



35.9390, 0.3203, 0.2307

# 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.



57.5195, 0.3821, 0.2747



57.5195, 0.3051, 0.4521



57.5195, 0.2407, 0.2179

# Square

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



57.5195, 0.3051, 0.4521



57.5195, 0.1845, 0.2526



57.5195, 0.3062, 0.2369



57.5195, 0.4595, 0.3796

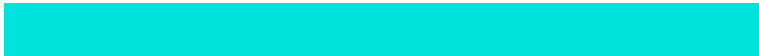


# Rectangle

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



57.5195, 0.3051, 0.4521



57.5195, 0.2089, 0.3380



57.5195, 0.3062, 0.2369



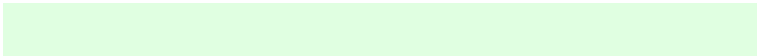
57.5195, 0.4253, 0.3071

# Sweetspot

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



57.5219, 0.3051, 0.4521



92.8893, 0.3107, 0.3595



67.7508, 0.3730, 0.4312



19.7317, 0.3104, 0.3631



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.



57.5219, 0.3051, 0.4521



77.7272, 0.3034, 0.4840



58.9916, 0.2801, 0.3888



14.6131, 0.3111, 0.3524



30.0532, 0.2994, 0.5978



1.9495, 0.2975, 0.5910



# Inverse Universe

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



35.9390, 0.3203, 0.2307



43.5230, 0.3220, 0.2114



33.9451, 0.3664, 0.2769



13.2671, 0.3143, 0.3067



11.7473, 0.3292, 0.1587



0.7634, 0.3277, 0.1579



# Previews

## White Background



This preview shows how the Yxy color 57.5195, 0.3051, 0.4521 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 57.5195, 0.3051, 0.4521 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

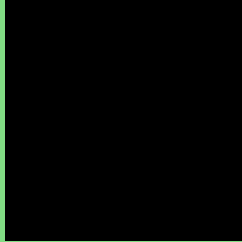
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.5195, 0.3051, 0.4521**

## **Background**



This preview shows how black text looks on a background with the Yxy color 57.5195, 0.3051, 0.4521.



This preview shows how white text looks on a background with the Yxy color 57.5195, 0.3051, 0.4521.

# 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

57.5195, 0.3051, 0.4521

### Protanopia

57.0538, 0.3844, 0.4163

### Deuteranopia

56.6955, 0.3945, 0.3857



## Tritanopia

57.3878, 0.2612, 0.3076

# Trichromacy



## Original Color

57.5195, 0.3051, 0.4521



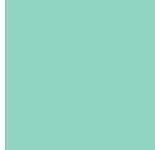
## Protanomaly

56.4722, 0.3518, 0.4305



## Deuteranomaly

55.5566, 0.3585, 0.4096



## Tritanomaly

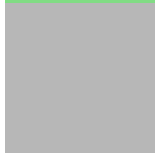
57.0570, 0.2770, 0.3568

# Monochromacy



## Original Color

57.5195, 0.3051, 0.4521



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

49.9467, 0.3099, 0.3726

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.5195, 0.3051, 0.4521 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(129, 220, 132)` looks like.

```
.text, #text, p{  
    color:rgb(129, 220, 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(129, 220, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 220, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 57.5195, 0.3051, 0.4521 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(129, 220, 132) }
```

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

```
.border{ border-color:rgb(129, 220, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 220, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 220, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 220, 132); box-shadow:4px 4px 4px 4px rgb(129, 220, 132) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.5195, 0.3051, 0.4521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 220, 132) }
```

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

```
.background{ background-color: rgb(129,  
220, 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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