

# Converting Colors

$Yxy(57.0728, 0.3116, 0.4781)$

Have a look what the booklet for  
Yxy(57.0728, 0.3116, 0.4781)  
contains.

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# Color

**Yxy(57.2129, 0.3116, 0.4791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CDD72
RGB	124, 221, 114
RGB Percent	49%, 87%, 45%
CMY	0.5135, 0.1333, 0.5530
CMYK	0.44, 0.00, 0.48, 0.13
HSL	114°, 61%, 66%
HSV	114°, 48%, 87%
XYZ	37.2105, 57.2129, 24.9941
YIQ	179.7990, -23.4650, -53.8410

# Conversions

## Conversions Part 2

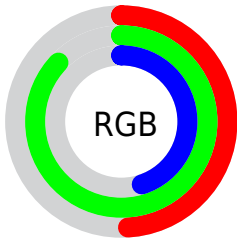
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 221, 211
Decimal	8183154
CIELab	80.30, -49.31, 43.57
CIELCh	80, 65.804, 138.533
Yxy	57.2129, 0.3116, 0.4791
Android (android.graphics.Color)	4286373234 (0xFF7CDD72)
YUV	179.7990, -32.4389, -48.9357
Hunter-Lab	75.6392, -44.5561, 33.3558

# Details

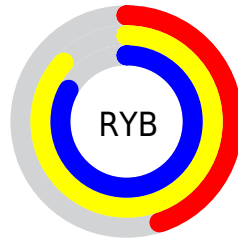
The Yxy color **57.2129, 0.3116, 0.4791** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **31.0873, 0.3081, 0.2087**, and the grayscale version is **45.7216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1709, 0.3156, 0.4293**, and **28.4274, 0.3055, 0.5231** is the 20% darker color. If you saturate the color by 10%, you get **55.4275, 0.3103, 0.5134**, and if you desaturate by 10%, it is **59.4275, 0.3125, 0.4440**.

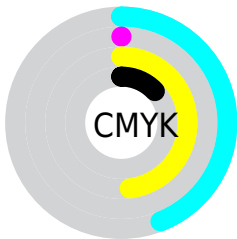
# Distribution



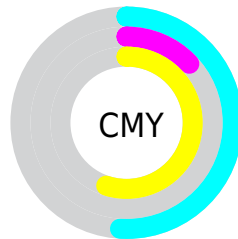
- Red (49%)
- Green (87%)
- Blue (45%)



- Red (45%)
- Yellow (87%)
- Blue (83%)



- Cyan (44%)
- Magenta (0%)
- Yellow (48%)
- Black (13%)




- Cyan (51%)
- Magenta (13%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.2129, 0.3116, 0.4791 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 57.2129, 0.3116, 0.4791 by changing the saturation by 10% instead.




 57.2129, 0.3116,  
0.4791

 57.2129, 0.3116,  
0.4791


414.2466, 0.3158,  
0.4018


 41.1762, 0.3094,  
0.4987

 100.7758, 0.3140,  
0.4507

 28.4568, 0.3058,  
0.5237


 129.0707, 0.3146,  
0.4401

 18.6703, 0.2997,  
0.5566


 162.2206, 0.3151,  
0.4312

 11.4323, 0.2891,  
0.6013

200.6096, 0.3153,  
0.4236

 6.3584, 0.2703,  
0.6662

244.6224, 0.3155,  
0.4170

 3.0642, 0.2339,  
0.7661

294.6432, 0.3156,

 1.1653, 0.0000,

0.4113

1.0000

351.0565, 0.3157,  
0.4062

■ 0.0331, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.2129, 0.3116,  
0.4791

■ 57.2129, 0.3116,  
0.4791

■ 55.4275, 0.3103,  
0.5134

■ 59.4275, 0.3125,  
0.4440

■ 54.0368, 0.3085,  
0.5446


■ 62.0889, 0.3129,  
0.4102

■ 53.0124, 0.3064,  
0.5700


■ 65.2225, 0.3131,  
0.3787

■ 52.3195, 0.3042,  
0.5877


■ 68.8497, 0.3130,  
0.3504

 51.9131, 0.3021,  
0.5974

 72.9907, 0.3127,  
0.3253

 51.8691, 0.3019,  
0.5985

 77.6643, 0.3122,  
0.3033

 80.1918, 0.3143,  
0.2960

# Harmonies

## Analogous

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



57.2129, 0.3915, 0.4811



57.2129, 0.3116, 0.4791



57.2129, 0.2363, 0.4126

# Triad

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



57.2129, 0.3116, 0.4791



57.2129, 0.1807, 0.2093



57.2129, 0.4558, 0.3151

# Complementary

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



57.2129, 0.3116, 0.4791



31.0873, 0.3081, 0.2087

# 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.



57.2129, 0.3824, 0.2609



57.2129, 0.3116, 0.4791



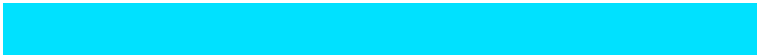
57.2129, 0.2231, 0.2026

# Square

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



57.2129, 0.3116, 0.4791



57.2129, 0.1680, 0.2465



57.2129, 0.2944, 0.2212



57.2129, 0.4820, 0.3758



# Rectangle

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



57.2129, 0.3116, 0.4791



57.2129, 0.1991, 0.3494



57.2129, 0.2944, 0.2212



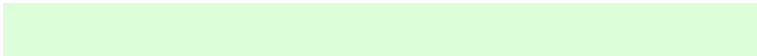
57.2129, 0.4354, 0.2959

# Sweetspot

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



57.2153, 0.3116, 0.4791



91.7873, 0.3131, 0.3690



62.8257, 0.3890, 0.4366



19.4268, 0.3131, 0.3752



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.



57.2153, 0.3116, 0.4791



76.6504, 0.3103, 0.5136



57.7147, 0.2827, 0.4198



14.6646, 0.3130, 0.3531



30.1538, 0.3023, 0.5982



1.9741, 0.3086, 0.5931



# Inverse Universe

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



31.0873, 0.3081, 0.2087



36.4702, 0.3064, 0.1874



30.6234, 0.3647, 0.2545



13.2093, 0.3123, 0.3059



10.2082, 0.2974, 0.1412

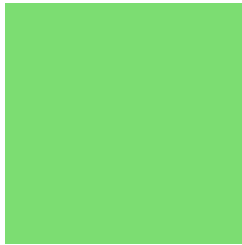


0.6799, 0.3015, 0.1435



# Previews

## White Background



This preview shows how the Yxy color 57.2129, 0.3116, 0.4791 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 57.2129, 0.3116, 0.4791 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 57.2129, 0.3116, 0.4791**

## Background



This preview shows how black text looks on a background with the Yxy color 57.2129, 0.3116, 0.4791.



This preview shows how white text looks on a background with the Yxy color 57.2129, 0.3116, 0.4791.

# 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

57.2129, 0.3116, 0.4791

### Protanopia

56.3342, 0.3983, 0.4339

### Deuteranopia

56.3256, 0.4111, 0.4017



## Tritanopia

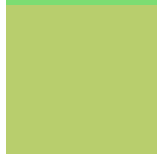
57.1482, 0.2606, 0.3087

# Trichromacy



## Original Color

57.2129, 0.3116, 0.4791



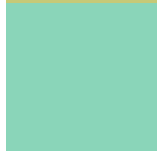
## Protanomaly

55.4371, 0.3630, 0.4512



## Deuteranomaly

55.1110, 0.3705, 0.4299



## Tritanomaly

56.4946, 0.2793, 0.3667

# Monochromacy



## Original Color

57.2129, 0.3116, 0.4791



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

48.9041, 0.3133, 0.3830

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  57.2129, 0.3116, 0.4791 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(124, 221, 114)` looks like.

```
.text, #text, p{  
    color:rgb(124, 221, 114)  
}
```

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(124, 221, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 221, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 57.2129, 0.3116, 0.4791 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(124, 221, 114) }
```

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

```
.border{ border-color:rgb(124, 221, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 221, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 221, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 221, 114);  
box-shadow:4px 4px 4px 4px rgb(124, 221,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.2129, 0.3116, 0.4791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 221, 114) }
```

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

```
.background{ background-color: rgb(124,  
221, 114) }
```

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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