

# Converting Colors

$Yxy(48.3437, 0.3128, 0.4862)$

Have a look what the booklet for  
Yxy(48.3437, 0.3128, 0.4862)  
contains.

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# Color

**Yxy(48.1129, 0.3128, 0.4857)**

# Conversions

## Conversions Part 1

Format	Color
Hex	71CD65
RGB	113, 205, 101
RGB Percent	44%, 80%, 40%
CMY	0.5570, 0.1960, 0.6040
CMYK	0.45, 0.00, 0.51, 0.20
HSL	113°, 51%, 60%
HSV	113°, 51%, 80%
XYZ	30.9856, 48.1129, 19.9604
YIQ	165.6360, -21.4480, -51.8480

# Conversions

## Conversions Part 2

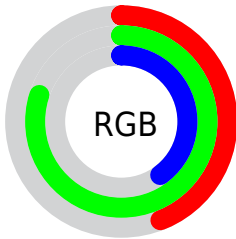
Format	Color
<a href="#">RYB</a>	<a href="#">101, 205, 193</a>
Decimal	<a href="#">7458149</a>
CIELab	<a href="#">74.90, -47.67, 43.10</a>
CIELCh	<a href="#">75, 64.270, 137.882</a>
Yxy	<a href="#">48.1129, 0.3128, 0.4857</a>
Android (android.graphics.Color)	<a href="#">4285648229 (0xFF71CD65)</a>
YUV	<a href="#">165.6360, -31.8655, -46.1618</a>
Hunter-Lab	<a href="#">69.3635, -41.6476, 31.4928</a>

# Details

The Yxy color **48.1129, 0.3128, 0.4857** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.0542, 0.3054, 0.2031**, and the grayscale version is **38.1083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3991, 0.3162, 0.4479**, and **22.8552, 0.3061, 0.5358** is the 20% darker color. If you saturate the color by 10%, you get **46.6772, 0.3115, 0.5192**, and if you desaturate by 10%, it is **49.8933, 0.3136, 0.4510**.

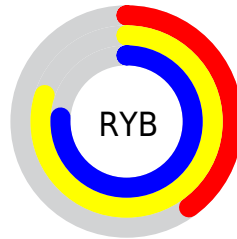
# Distribution



Red (44%)

Green (80%)

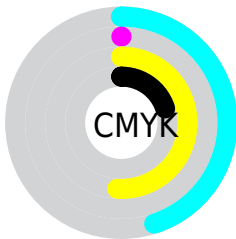
Blue (40%)



Red (40%)

Yellow (80%)

Blue (76%)

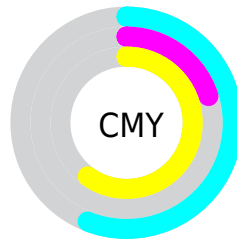


Cyan (45%)

Magenta (0%)

Yellow (51%)

Black (20%)



Cyan (56%)

Magenta (20%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1129, 0.3128, 0.4857 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 48.1129, 0.3128, 0.4857 by changing the saturation by 10% instead.




 48.1129, 0.3128,  
0.4857

 48.1129, 0.3128,  
0.4857

379.2395, 0.3167,  
0.4027


 33.9163, 0.3103,  
0.5074


 87.3725, 0.3153,  
0.4547


 22.8293, 0.3061,  
0.5357


 113.2042, 0.3159,  
0.4432

 14.4675, 0.2987,  
0.5734


 143.6832, 0.3163,  
0.4337

 8.4465, 0.2850,  
0.6253

 179.1937, 0.3165,  
0.4256

 4.3820, 0.2696,  
0.7304

220.1202, 0.3167,  
0.4186

 1.8895, 0.1760,  
0.8240

266.8471, 0.3167,


 0.5420, 0.0000,


0.4126

1.0000

319.7587, 0.3167,  
0.4073


 0.0000, 0.0000,  
0.0000


 48.1129, 0.3128,  
0.4857


 48.1129, 0.3128,  
0.4857


 46.6772, 0.3115,  
0.5192


 49.8933, 0.3136,  
0.4510


 45.5581, 0.3096,  
0.5492

 52.0325, 0.3139,  
0.4171


 44.7331, 0.3073,  
0.5731

 54.5507, 0.3138,  
0.3853

 44.1737, 0.3047,  
0.5894

 57.4654, 0.3134,  
0.3565

 43.8570, 0.3027,  
0.5979

 60.7926, 0.3128,  
0.3308

■ 64.5476, 0.3120,  
0.3082

■ 68.7447, 0.3113,  
0.2886

■ 72.1477, 0.3150,  
0.2802

# Harmonies

## Analogous

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



48.1129, 0.3950, 0.4853



48.1129, 0.3128, 0.4857



48.1129, 0.2350, 0.4178

# Triad

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



48.1129, 0.3128, 0.4857



48.1129, 0.1764, 0.2062



48.1129, 0.4596, 0.3129

# Complementary

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



48.1129, 0.3128, 0.4857



25.0542, 0.3054, 0.2031

# 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.



48.1129, 0.3827, 0.2577



48.1129, 0.3128, 0.4857



48.1129, 0.2191, 0.1989

# Square

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



48.1129, 0.3128, 0.4857



48.1129, 0.1640, 0.2448



48.1129, 0.2917, 0.2175



48.1129, 0.4875, 0.3750



# Rectangle

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



48.1129, 0.3128, 0.4857



48.1129, 0.1965, 0.3519



48.1129, 0.2917, 0.2175



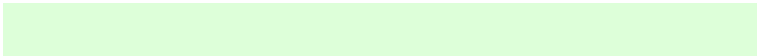
48.1129, 0.4381, 0.2934

# Sweetspot

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



48.1149, 0.3128, 0.4857



91.9131, 0.3136, 0.3689



52.0041, 0.3931, 0.4390



19.4566, 0.3136, 0.3751



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.



48.1149, 0.3128, 0.4857



76.2363, 0.3113, 0.5225



48.3523, 0.2828, 0.4274



12.5978, 0.3133, 0.3528



27.3209, 0.3031, 0.5975



1.4307, 0.3121, 0.5904



# Inverse Universe

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



25.0542, 0.3054, 0.2031



34.2495, 0.3028, 0.1803



25.0061, 0.3656, 0.2496



11.3356, 0.3120, 0.3060



8.9163, 0.2923, 0.1384



0.4790, 0.2982, 0.1417



# Previews

## White Background



This preview shows how the Yxy color 48.1129, 0.3128, 0.4857 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 48.1129, 0.3128, 0.4857 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 48.1129, 0.3128, 0.4857**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.1129, 0.3128, 0.4857.



This preview shows how white text looks on a background with the Yxy color 48.1129, 0.3128, 0.4857.

# 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

48.1129, 0.3128, 0.4857

### Protanopia

47.2317, 0.4012, 0.4375

### Deuteranopia

47.2937, 0.4136, 0.4057



## Tritanopia

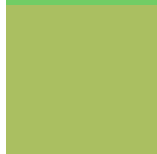
47.8117, 0.2596, 0.3072

# Trichromacy



## Original Color

48.1129, 0.3128, 0.4857



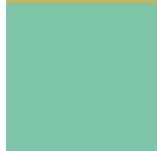
## Protanomaly

46.6707, 0.3650, 0.4558



## Deuteranomaly

46.1035, 0.3722, 0.4349



## Tritanomaly

47.2704, 0.2791, 0.3683

# Monochromacy



## Original Color

48.1129, 0.3128, 0.4857



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

40.7986, 0.3143, 0.3858

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1129, 0.3128, 0.4857 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(113, 205, 101)` looks like.

```
.text, #text, p{  
    color:rgb(113, 205, 101)  
}
```

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(113, 205, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 205, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1129, 0.3128, 0.4857 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(113, 205, 101) }
```

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

```
.border{ border-color:rgb(113, 205, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 205, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 205, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 205, 101);  
box-shadow:4px 4px 4px 4px rgb(113, 205,  
101) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1129, 0.3128, 0.4857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 205, 101) }
```

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

```
.background{ background-color: rgb(113,  
205, 101) }
```

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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