

# Converting Colors

$Y_{xy}(56.5370, 0.3687, 0.4769)$

Have a look what the booklet for  
Yxy(56.5370, 0.3687, 0.4769)  
contains.

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**Color**

**Yxy(56.5347, 0.3688, 0.4770)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4D25A
RGB	180, 210, 90
RGB Percent	71%, 82%, 35%
CMY	0.2942, 0.1764, 0.6471
CMYK	0.14, 0.00, 0.57, 0.18
HSL	75°, 57%, 59%
HSV	75°, 57%, 82%
XYZ	43.7107, 56.5347, 18.2760
YIQ	187.3500, 20.6400, -43.6800

# Conversions

## Conversions Part 2

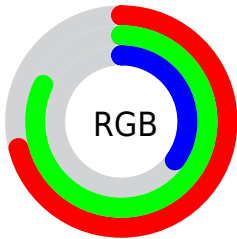
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 210, 120
Decimal	11850330
CIELab	79.92, -27.50, 55.05
CIElCh	80, 61.535, 116.541
Yxy	56.5347, 0.3688, 0.4770
Android (android.graphics.Color)	4290040410 (0xFFB4D25A)
YUV	187.3500, -47.9935, -6.4459
Hunter-Lab	75.1896, -27.8126, 38.2213

# Details

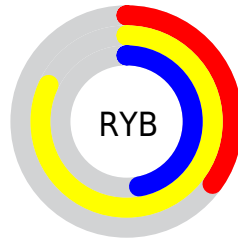
The Yxy color **56.5347, 0.3688, 0.4770** is a light color, and the websafe version is hex **99CC66**. The color can be described as light muted chartreuse. A complement of this color would be **15.9561, 0.2262, 0.1567**, and the grayscale version is **50.1684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7108, 0.3659, 0.4412**, and **27.8491, 0.3761, 0.5150** is the 20% darker color. If you saturate the color by 10%, you get **55.6102, 0.3743, 0.4987**, and if you desaturate by 10%, it is **57.5892, 0.3612, 0.4524**.

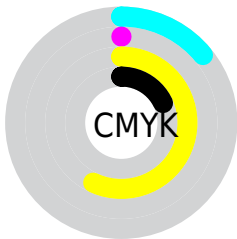
# Distribution



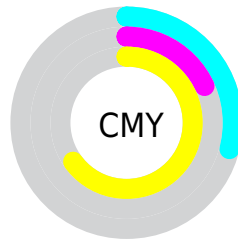
- Red (71%)
- Green (82%)
- Blue (35%)



- Red (35%)
- Yellow (82%)
- Blue (47%)



- Cyan (14%)
- Magenta (0%)
- Yellow (57%)
- Black (18%)




- Cyan (29%)
- Magenta (18%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5347, 0.3688, 0.4770 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 56.5347, 0.3688, 0.4770 by changing the saturation by 10% instead.





 56.5347, 0.3688,  
0.4770


 56.5347, 0.3688,  
0.4770

411.7035, 0.3459,  
0.4041

 40.6318, 0.3725,  
0.4940

 99.7859, 0.3619,  
0.4512


 28.0315, 0.3761,  
0.5149


 127.9030, 0.3589,  
0.4413

 18.3494, 0.3787,  
0.5406


 160.8603, 0.3561,  
0.4328

 11.2011, 0.3783,  
0.5725

 199.0422, 0.3537,  
0.4255

 6.2023, 0.3777,  
0.6223

242.8331, 0.3514,  
0.4191

 2.9685, 0.3458,  
0.6542

292.6173, 0.3494,

 1.1153, 0.2503,

0.4135

0.7497

348.7793, 0.3476,  
0.4085

0.0000, 0.0000,  
0.0000

56.5347, 0.3688,  
0.4770

56.5347, 0.3688,  
0.4770

55.6102, 0.3743,  
0.4987

57.5892, 0.3612,  
0.4524

54.7991, 0.3774,  
0.5165

58.7740, 0.3521,  
0.4260

54.0933, 0.3779,  
0.5296

60.0990, 0.3419,  
0.3990

53.4789, 0.3761,  
0.5381

61.5707, 0.3312,  
0.3723

53.3139, 0.3753,  
0.5402

63.1954, 0.3204,  
0.3465

■ 64.9789, 0.3097,  
0.3223

■ 66.9266, 0.2995,  
0.2997

■ 68.8497, 0.2917,  
0.2819

■ 69.6924, 0.2953,  
0.2824

# Harmonies

## Analogous

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



56.5347, 0.4345, 0.4451



56.5347, 0.3688, 0.4770



56.5347, 0.2922, 0.4576

# Triad

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



56.5347, 0.3688, 0.4770



56.5347, 0.1756, 0.2389



56.5347, 0.3996, 0.2775

# Complementary

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



56.5347, 0.3688, 0.4770



15.9561, 0.2262, 0.1567

# 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.



56.5347, 0.3173, 0.2350



56.5347, 0.3688, 0.4770



56.5347, 0.1954, 0.2113

# Square

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



56.5347, 0.3688, 0.4770



56.5347, 0.1850, 0.2988



56.5347, 0.2437, 0.2114



56.5347, 0.4588, 0.3318



# Rectangle

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



56.5347, 0.3688, 0.4770



56.5347, 0.2453, 0.4125



56.5347, 0.2437, 0.2114



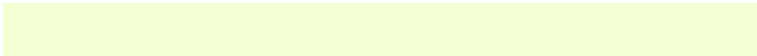
56.5347, 0.3730, 0.2616

# Sweetspot

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



56.5372, 0.3688, 0.4770



95.5167, 0.3312, 0.3724



27.8708, 0.4611, 0.3657



20.3412, 0.3334, 0.3778



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.



56.5372, 0.3688, 0.4770



85.9317, 0.3754, 0.5038



50.8282, 0.3224, 0.5021



13.6425, 0.3228, 0.3522



32.5668, 0.3760, 0.5396



1.8571, 0.3843, 0.5330



# Inverse Universe

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



15.9561, 0.2262, 0.1567



17.0350, 0.2038, 0.1196



21.6661, 0.2863, 0.1819



11.5585, 0.3020, 0.3052



3.3328, 0.1651, 0.0683



0.2246, 0.1844, 0.0790



# Previews

## White Background



This preview shows how the Yxy color 56.5347, 0.3688, 0.4770 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 56.5347, 0.3688, 0.4770 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 56.5347, 0.3688, 0.4770**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.5347, 0.3688, 0.4770.



This preview shows how white text looks on a background with the Yxy color 56.5347, 0.3688, 0.4770.

# 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

56.5347, 0.3688, 0.4770

### Protanopia

56.2757, 0.4124, 0.4516

### Deuteranopia

56.0441, 0.4339, 0.4236



## Tritanopia

56.2059, 0.2990, 0.3099

# Trichromacy



**Original Color**

56.5347, 0.3688, 0.4770

**Protanomaly**

55.9083, 0.3962, 0.4613

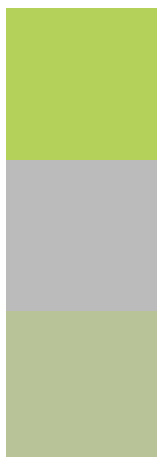
**Deuteranomaly**

55.6602, 0.4098, 0.4423

**Tritanomaly**

55.8870, 0.3272, 0.3718

# Monochromacy



**Original Color**

56.5347, 0.3688, 0.4770

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

51.4876, 0.3362, 0.3851

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.5347, 0.3688, 0.4770 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(180, 210, 90)` looks like.

```
.text, #text, p{  
    color:rgb(180, 210, 90)  
}
```

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(180, 210, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 210, 90) }
```

## Border

The CSS property to change the border of an element to Yxy 56.5347, 0.3688, 0.4770 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(180, 210, 90) }
```

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

```
.border{ border-color:rgb(180, 210, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 210, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 210, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 210, 90);  
box-shadow:4px 4px 4px 4px rgb(180, 210,  
90) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.5347, 0.3688, 0.4770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 210, 90) }
```

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

```
.background{ background-color: rgb(180,  
210, 90) }
```

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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