

# Converting Colors

$Y_{xy}(50.8792, 0.3547, 0.4375)$

Have a look what the booklet for  
Yxy(50.8792, 0.3547, 0.4375)  
contains.

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# Color

**Yxy(50.8792, 0.3547, 0.4375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0C674
RGB	176, 198, 116
RGB Percent	69%, 78%, 45%
CMY	0.3098, 0.2235, 0.5451
CMYK	0.11, 0.00, 0.41, 0.22
HSL	76°, 42%, 62%
HSV	76°, 41%, 78%
XYZ	41.2499, 50.8792, 24.1662
YIQ	182.0740, 13.2100, -30.1660

# Conversions

## Conversions Part 2

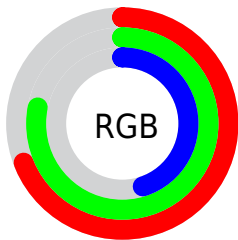
<b>Format</b>	<b>Color</b>
<b>RYB</b>	116, 198, 138
Decimal	11585140
CIELab	76.61, -20.61, 38.57
CIELCh	77, 43.733, 118.110
Yxy	50.8792, 0.3547, 0.4375
Android (android.graphics.Color)	4289775220 (0xFFB0C674)
YUV	182.0740, -32.5745, -5.3269
Hunter-Lab	71.3297, -21.6003, 29.8436

# Details

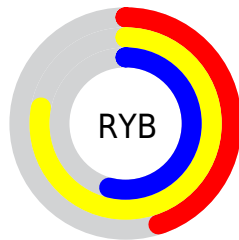
The Yxy color **50.8792, 0.3547, 0.4375** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.9695, 0.2560, 0.2090**, and the grayscale version is **46.9973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7082, 0.3487, 0.4179**, and **24.4774, 0.3627, 0.4677** is the 20% darker color. If you saturate the color by 10%, you get **49.8614, 0.3629, 0.4635**, and if you desaturate by 10%, it is **52.0240, 0.3453, 0.4105**.

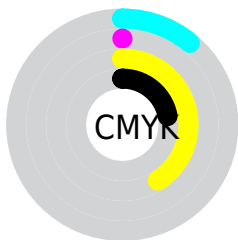
# Distribution



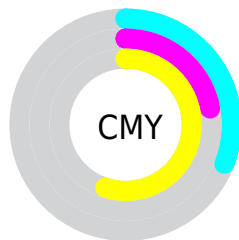
- Red (69%)
- Green (78%)
- Blue (45%)



- Red (45%)
- Yellow (78%)
- Blue (54%)



- Cyan (11%)
- Magenta (0%)
- Yellow (41%)
- Black (22%)




- Cyan (31%)
- Magenta (22%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8792, 0.3547, 0.4375 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 50.8792, 0.3547, 0.4375 by changing the saturation by 10% instead.




 50.8792, 0.3547,  
0.4375

 50.8792, 0.3547,  
0.4375

390.0943, 0.3359,  
0.3826

 36.1125, 0.3585,  
0.4511


 91.4762, 0.3485,  
0.4176

 24.5211, 0.3628,  
0.4683


 118.0752, 0.3459,  
0.4101

 15.7206, 0.3675,  
0.4907


 149.3872, 0.3437,  
0.4037

 9.3267, 0.3718,  
0.5206

185.7964, 0.3418,  
0.3983

 4.9549, 0.3762,  
0.5656

227.6874, 0.3400,  
0.3936

 2.2208, 0.3713,  
0.6287

275.4444, 0.3385,

 0.7313, 0.2080,

0.3895

0.7920

329.4519, 0.3371,  
0.3859

0.0000, 0.0000,  
0.0000

50.8792, 0.3547,  
0.4375

50.8792, 0.3547,  
0.4375

49.8614, 0.3629,  
0.4635

52.0240, 0.3453,  
0.4105

48.9573, 0.3693,  
0.4873

53.2949, 0.3351,  
0.3835

48.1617, 0.3736,  
0.5078


54.6999, 0.3246,  
0.3573


47.4664, 0.3754,  
0.5241

56.2441, 0.3142,  
0.3324

46.8614, 0.3746,  
0.5357


57.9324, 0.3041,  
0.3092

 46.3989, 0.3724,  
0.5425

 59.7695, 0.2944,  
0.2878

 61.7598, 0.2853,  
0.2683

 62.5944, 0.2888,  
0.2686

 63.4293, 0.2926,  
0.2693

# Harmonies

## Analogous

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



50.8792, 0.4041, 0.4205



50.8792, 0.3547, 0.4375



50.8792, 0.2967, 0.4183

# Triad

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



50.8792, 0.3547, 0.4375



50.8792, 0.2073, 0.2608



50.8792, 0.3799, 0.2927

# Complementary

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



50.8792, 0.3547, 0.4375



21.9695, 0.2560, 0.2090

# 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.



50.8792, 0.3204, 0.2581



50.8792, 0.3547, 0.4375



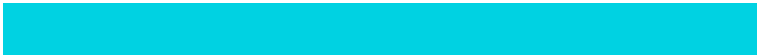
50.8792, 0.2244, 0.2386

# Square

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



50.8792, 0.3547, 0.4375



50.8792, 0.2144, 0.3060



50.8792, 0.2639, 0.2387



50.8792, 0.4217, 0.3364



# Rectangle

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



50.8792, 0.3547, 0.4375



50.8792, 0.2610, 0.3859



50.8792, 0.2639, 0.2387



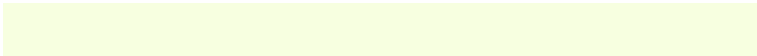
50.8792, 0.3610, 0.2798

# Sweetspot

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



50.8815, 0.3547, 0.4375



96.6593, 0.3254, 0.3592



31.4047, 0.4053, 0.3584



20.6160, 0.3268, 0.3627



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.



50.8815, 0.3547, 0.4375



88.4038, 0.3624, 0.4618



46.8132, 0.3209, 0.4503



12.2684, 0.3225, 0.3521



30.2161, 0.3730, 0.5420



1.4649, 0.3831, 0.5340



# Inverse Universe

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



21.9695, 0.2560, 0.2090



30.1798, 0.2399, 0.1786



26.1344, 0.2972, 0.2219



10.4229, 0.3024, 0.3054



3.1825, 0.1672, 0.0695



0.1874, 0.1903, 0.0822



# Previews

## White Background



This preview shows how the Yxy color 50.8792, 0.3547, 0.4375 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 50.8792, 0.3547, 0.4375 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

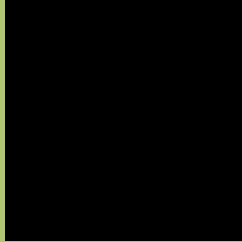
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.8792, 0.3547, 0.4375**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.8792, 0.3547, 0.4375.



This preview shows how white text looks on a background with the Yxy color 50.8792, 0.3547, 0.4375.

# 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

50.8792, 0.3547, 0.4375

### Protanopia

50.7093, 0.3876, 0.4215

### Deuteranopia

50.3295, 0.4063, 0.3979



## Tritanopia

50.8430, 0.3007, 0.3104

# Trichromacy



## Original Color

50.8792, 0.3547, 0.4375

## Protanomaly

50.5163, 0.3754, 0.4272

## Deuteranomaly

50.2825, 0.3859, 0.4119

## Tritanomaly

50.7068, 0.3213, 0.3562

# Monochromacy



## Original Color

50.8792, 0.3547, 0.4375

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

48.1384, 0.3294, 0.3689

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.8792, 0.3547, 0.4375 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(176, 198, 116)` looks like.

```
.text, #text, p{  
    color:rgb(176, 198, 116)  
}
```

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(176, 198, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 198, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 50.8792, 0.3547, 0.4375 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(176, 198, 116) }
```

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

```
.border{ border-color:rgb(176, 198, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 198, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 198, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 198, 116); box-shadow:4px 4px 4px 4px rgb(176, 198, 116) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.8792, 0.3547, 0.4375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 198, 116) }
```

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

```
.background{ background-color: rgb(176,  
198, 116) }
```

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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