

# Converting Colors

$Y_{xy}(48.2260, 0.3590, 0.4321)$

Have a look what the booklet for  
Yxy(48.2260, 0.3590, 0.4321)  
contains.

<b>Yxy(48.2842, 0.3585, 0.4319)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.2842, 0.3585, 0.4319)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1C073
RGB	177, 192, 115
RGB Percent	69%, 75%, 45%
CMY	0.3058, 0.2471, 0.5489
CMYK	0.08, 0.00, 0.40, 0.25
HSL	72°, 38%, 60%
HSV	72°, 40%, 75%
XYZ	40.0785, 48.2842, 23.4322
YIQ	178.7370, 15.7770, -27.1270

# Conversions

## Conversions Part 2

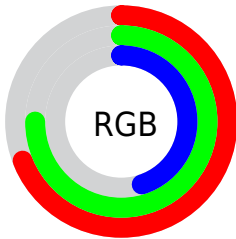
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 192, 130
Decimal	11649139
CIELab	75.00, -17.32, 37.05
CIElCh	75, 40.898, 115.053
Yxy	48.2842, 0.3585, 0.4319
Android (android.graphics.Color)	4289839219 (0xFFB1C073)
YUV	178.7370, -31.4223, -1.5233
Hunter-Lab	69.4868, -18.6471, 28.6471

# Details

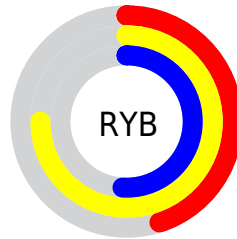
The Yxy color **48.2842, 0.3585, 0.4319** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **20.8181, 0.2530, 0.2119**, and the grayscale version is **45.0989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4544, 0.3517, 0.4125**, and **23.0578, 0.3679, 0.4621** is the 20% darker color. If you saturate the color by 10%, you get **47.4563, 0.3682, 0.4569**, and if you desaturate by 10%, it is **49.2205, 0.3476, 0.4058**.

# Distribution



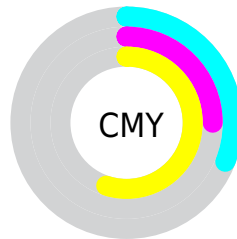
- Red (69%)
- Green (75%)
- Blue (45%)



- Red (45%)
- Yellow (75%)
- Blue (51%)



- Cyan (8%)
- Magenta (0%)
- Yellow (40%)
- Black (25%)




- Cyan (31%)
- Magenta (25%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2842, 0.3585, 0.4319 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 48.2842, 0.3585, 0.4319 by changing the saturation by 10% instead.




 48.2842, 0.3585,  
0.4319

 48.2842, 0.3585,  
0.4319

379.9175, 0.3374,  
0.3797


 34.0520, 0.3630,  
0.4449

 87.6274, 0.3514,  
0.4129

 22.9336, 0.3682,  
0.4614


 113.5072, 0.3485,  
0.4058

 14.5445, 0.3742,  
0.4829


 144.0383, 0.3460,  
0.3997

 8.5003, 0.3803,  
0.5118

179.6051, 0.3439,  
0.3945

 4.4167, 0.3889,  
0.5576

220.5921, 0.3419,  
0.3901

 1.9093, 0.3853,  
0.6147

267.3835, 0.3402,

 0.5540, 0.1577,

0.3862

0.8423

320.3639, 0.3387,  
0.3827

0.0000, 0.0000,  
0.0000

48.2842, 0.3585,  
0.4319

48.2842, 0.3585,  
0.4319

47.4563, 0.3682,  
0.4569

49.2205, 0.3476,  
0.4058

46.7244, 0.3763,  
0.4796

50.2642, 0.3361,  
0.3795

46.0843, 0.3821,  
0.4991

51.4222, 0.3244,  
0.3538

45.5285, 0.3855,  
0.5145

52.6993, 0.3128,  
0.3292

45.0483, 0.3864,  
0.5254


54.0998, 0.3017,  
0.3062

 44.6304, 0.3852,  
0.5323

 55.6277, 0.2911,  
0.2849

 57.2872, 0.2812,  
0.2655

 58.1732, 0.2804,  
0.2605

 58.7178, 0.2830,  
0.2610

# Harmonies

## Analogous

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



48.2842, 0.4038, 0.4135



48.2842, 0.3585, 0.4319



48.2842, 0.3033, 0.4171

# Triad

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



48.2842, 0.3585, 0.4319



48.2842, 0.2115, 0.2676



48.2842, 0.3714, 0.2905

# Complementary

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



48.2842, 0.3585, 0.4319



20.8181, 0.2530, 0.2119

# 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.



48.2842, 0.3142, 0.2585



48.2842, 0.3585, 0.4319



48.2842, 0.2255, 0.2438

# Square

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



48.2842, 0.3585, 0.4319



48.2842, 0.2208, 0.3129



48.2842, 0.2614, 0.2416



48.2842, 0.4136, 0.3319



# Rectangle

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



48.2842, 0.3585, 0.4319



48.2842, 0.2684, 0.3884



48.2842, 0.2614, 0.2416



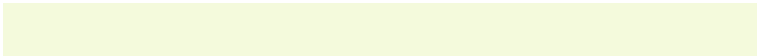
48.2842, 0.3530, 0.2785

# Sweetspot

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



48.2864, 0.3585, 0.4319



92.7158, 0.3268, 0.3591



28.1802, 0.4046, 0.3487



19.8301, 0.3284, 0.3624



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.2864, 0.3585, 0.4319



86.1764, 0.3670, 0.4537



44.4610, 0.3259, 0.4437



11.6561, 0.3235, 0.3520



30.0638, 0.3856, 0.5320



1.3249, 0.3936, 0.5257



# Inverse Universe

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



20.8181, 0.2530, 0.2119



29.6491, 0.2369, 0.1829



24.3552, 0.2911, 0.2235



9.8403, 0.3013, 0.3054



2.8565, 0.1601, 0.0656



0.1523, 0.1814, 0.0773



# Previews

## White Background



This preview shows how the Yxy color 48.2842, 0.3585, 0.4319 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 48.2842, 0.3585, 0.4319 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

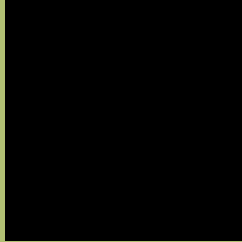
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.2842, 0.3585, 0.4319**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.2842, 0.3585, 0.4319.



This preview shows how white text looks on a background with the Yxy color 48.2842, 0.3585, 0.4319.

# 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

48.2842, 0.3585, 0.4319

### Protanopia

47.8683, 0.3864, 0.4189

### Deuteranopia

47.9122, 0.4048, 0.3959



## Tritanopia

48.0519, 0.3052, 0.3101

# Trichromacy



## Original Color

48.2842, 0.3585, 0.4319

## Protanomaly

47.9394, 0.3758, 0.4240

## Deuteranomaly

47.8857, 0.3874, 0.4081

## Tritanomaly

47.9751, 0.3251, 0.3540

# Monochromacy



## Original Color

48.2842, 0.3585, 0.4319

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

46.1463, 0.3298, 0.3668

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.2842, 0.3585, 0.4319 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(177, 192, 115)` looks like.

```
.text, #text, p{  
    color:rgb(177, 192, 115)  
}
```

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(177, 192, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 192, 115) }
```

## Border

The CSS property to change the border of an element to Yxy 48.2842, 0.3585, 0.4319 is called "border". The border property can be set on classes, ids or directly on the HTML element.

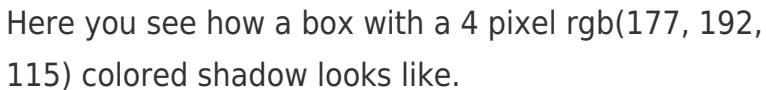
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 192, 115) }
```

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

```
.border{ border-color:rgb(177, 192, 115) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 192, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 192, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 192, 115); box-shadow:4px 4px 4px 4px rgb(177, 192, 115) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.2842, 0.3585, 0.4319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 192, 115) }
```

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

```
.background{ background-color: rgb(177,  
192, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor