

# Converting Colors

$Yxy(60.6099, 0.3698, 0.4597)$

Have a look what the booklet for  
Yxy(60.6099, 0.3698, 0.4597)  
contains.

<b>Yxy(60.4505, 0.3695, 0.4597)</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(60.4505, 0.3695, 0.4597)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1D669
RGB	193, 214, 105
RGB Percent	76%, 84%, 41%
CMY	0.2431, 0.1608, 0.5884
CMYK	0.10, 0.00, 0.51, 0.16
HSL	72°, 57%, 63%
HSV	72°, 51%, 84%
XYZ	48.5892, 60.4505, 22.4602
YIQ	195.2950, 22.4730, -38.3510

# Conversions

## Conversions Part 2

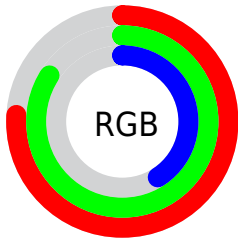
<b>Format</b>	<b>Color</b>
<b>RYB</b>	105, 214, 126
Decimal	12703337
CIELab	82.08, -22.97, 50.94
CIElCh	82, 55.877, 114.278
Yxy	60.4505, 0.3695, 0.4597
Android (android.graphics.Color)	4290893417 (0xFFC1D669)
YUV	195.2950, -44.5154, -2.0127
Hunter-Lab	77.7499, -24.5102, 37.2974

# Details

The Yxy color **60.4505, 0.3695, 0.4597** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.3822, 0.2319, 0.1744**, and the grayscale version is **55.0193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5324, 0.3667, 0.4238**, and **30.3717, 0.3784, 0.4920** is the 20% darker color. If you saturate the color by 10%, you get **59.5333, 0.3774, 0.4822**, and if you desaturate by 10%, it is **61.4989, 0.3598, 0.4348**.

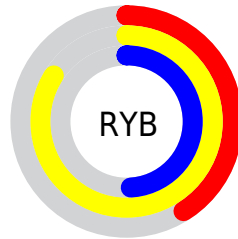
# Distribution



Red (76%)

Green (84%)

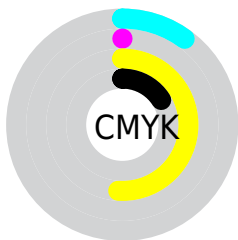
Blue (41%)



Red (41%)

Yellow (84%)

Blue (49%)

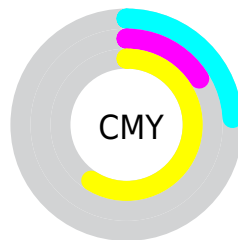


Cyan (10%)

Magenta (0%)

Yellow (51%)

Black (16%)



Cyan (24%)

Magenta (16%)


Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4505, 0.3695, 0.4597 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 60.4505, 0.3695, 0.4597 by changing the saturation by 10% instead.





 60.4505, 0.3695,  
0.4597


 60.4505, 0.3695,  
0.4597


426.2563, 0.3454,  
0.3962

 43.7819, 0.3739,  
0.4744


 105.4829, 0.3619,  
0.4374

 30.4990, 0.3787,  
0.4925


 134.6154, 0.3587,  
0.4287

 20.2177, 0.3833,  
0.5150


 168.6714, 0.3559,  
0.4213

 12.5534, 0.3867,  
0.5431

 208.0352, 0.3533,  
0.4149

 7.1217, 0.3905,  
0.5844

253.0912, 0.3510,  
0.4094

 3.5383, 0.3768,  
0.6232

304.2237, 0.3490,

 1.4188, 0.3337,

0.4044

0.6663

361.8173, 0.3471,  
0.4001

0.2305, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.4505, 0.3695,  
0.4597

60.4505, 0.3695,  
0.4597

59.5333, 0.3774,  
0.4822

61.4989, 0.3598,  
0.4348

58.7307, 0.3830,  
0.5013


62.6780, 0.3489,  
0.4086

58.0353, 0.3861,  
0.5161


63.9977, 0.3374,  
0.3821

57.4357, 0.3867,  
0.5263


65.4645, 0.3255,  
0.3561


 56.9573, 0.3853,  
0.5322

 67.0843, 0.3138,  
0.3313

 68.8629, 0.3025,  
0.3080

 70.8058, 0.2918,  
0.2864

 71.4790, 0.2944,  
0.2865

 72.1530, 0.2972,  
0.2869

# Harmonies

## Analogous

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



60.4505, 0.4265, 0.4314



60.4505, 0.3695, 0.4597



60.4505, 0.3007, 0.4447

# Triad

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



60.4505, 0.3695, 0.4597



60.4505, 0.1882, 0.2520



60.4505, 0.3849, 0.2796

# Complementary

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



60.4505, 0.3695, 0.4597



19.3822, 0.2319, 0.1744

# 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.



60.4505, 0.3118, 0.2416



60.4505, 0.3695, 0.4597



60.4505, 0.2044, 0.2238

# Square

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



60.4505, 0.3695, 0.4597



60.4505, 0.1994, 0.3084



60.4505, 0.2469, 0.2216



60.4505, 0.4399, 0.3290



# Rectangle

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



60.4505, 0.3695, 0.4597



60.4505, 0.2575, 0.4076



60.4505, 0.2469, 0.2216



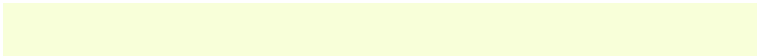
60.4505, 0.3611, 0.2653

# Sweetspot

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



60.4532, 0.3695, 0.4597



96.4068, 0.3305, 0.3669



29.9707, 0.4438, 0.3537



20.5359, 0.3330, 0.3725



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.



60.4532, 0.3695, 0.4597



88.4459, 0.3778, 0.4836



54.6455, 0.3277, 0.4797



14.3936, 0.3237, 0.3522



34.4690, 0.3859, 0.5318



2.1107, 0.3920, 0.5270



# Inverse Universe

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



19.3822, 0.2319, 0.1744



20.9273, 0.2117, 0.1399



24.5904, 0.2827, 0.1937



12.1226, 0.3011, 0.3051



3.2561, 0.1596, 0.0653



0.2309, 0.1757, 0.0742



# Previews

## White Background



This preview shows how the Yxy color 60.4505, 0.3695, 0.4597 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 60.4505, 0.3695, 0.4597 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 60.4505, 0.3695, 0.4597**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4505, 0.3695, 0.4597.



This preview shows how white text looks on a background with the Yxy color 60.4505, 0.3695, 0.4597.

# 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

60.4505, 0.3695, 0.4597

### Protanopia

60.1526, 0.4033, 0.4408

### Deuteranopia

59.8491, 0.4245, 0.4153



## Tritanopia

60.4248, 0.3045, 0.3106

# Trichromacy



## Original Color

60.4505, 0.3695, 0.4597

## Protanomaly

60.2372, 0.3903, 0.4483

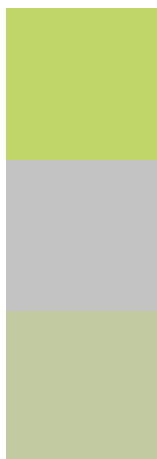
## Deuteranomaly

59.5140, 0.4047, 0.4308

## Tritanomaly

59.7344, 0.3296, 0.3640

# Monochromacy



## Original Color

60.4505, 0.3695, 0.4597

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

56.3190, 0.3357, 0.3789

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4505, 0.3695, 0.4597 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(193, 214, 105)` looks like.

```
.text, #text, p{  
    color:rgb(193, 214, 105)  
}
```

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(193, 214, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 214, 105) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4505, 0.3695, 0.4597 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(193, 214, 105) }
```

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

```
.border{ border-color:rgb(193, 214, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 214, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 214, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 214, 105);  
box-shadow:4px 4px 4px 4px rgb(193, 214,  
105) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4505, 0.3695, 0.4597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 214, 105) }
```

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

```
.background{ background-color: rgb(193,  
214, 105) }
```

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