

# Converting Colors

$Yxy(65.5941, 0.3775, 0.4643)$

Have a look what the booklet for  
Yxy(65.5941, 0.3775, 0.4643)  
contains.

<b>Yxy(65.6513, 0.3776, 0.4639)</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(65.6513, 0.3776, 0.4639)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDDD66
RGB	205, 221, 102
RGB Percent	80%, 87%, 40%
CMY	0.1960, 0.1333, 0.5999
CMYK	0.07, 0.00, 0.54, 0.13
HSL	68°, 64%, 63%
HSV	68°, 54%, 87%
XYZ	53.4381, 65.6513, 22.4310
YIQ	202.6500, 28.6630, -40.4010

# Conversions

## Conversions Part 2

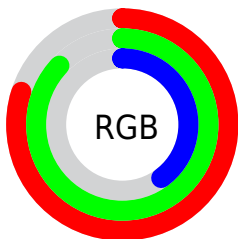
Format	Color
<a href="#">RYB</a>	<a href="#">102, 221, 118</a>
Decimal	<a href="#">13491558</a>
<a href="#">CIELab</a>	<a href="#">84.82, -21.89, 55.70</a>
<a href="#">CIELCh</a>	<a href="#">85, 59.849, 111.451</a>
<a href="#">Yxy</a>	<a href="#">65.6513, 0.3776, 0.4639</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4291681638 (0xFFCDDD66)</a>
<a href="#">YUV</a>	<a href="#">202.6500, -49.6204, 2.0610</a>
<a href="#">Hunter-Lab</a>	<a href="#">81.0255, -24.0699, 40.3041</a>

# Details

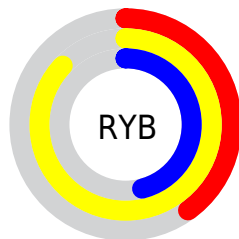
The Yxy color **65.6513, 0.3776, 0.4639** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.5786, 0.2207, 0.1622**, and the grayscale version is **59.7990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **33.7817, 0.3875, 0.4961** is the 20% darker color. If you saturate the color by 10%, you get **64.8546, 0.3859, 0.4844**, and if you desaturate by 10%, it is **66.5788, 0.3673, 0.4406**.

# Distribution



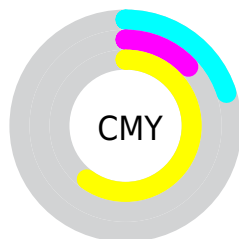
- Red (80%)
- Green (87%)
- Blue (40%)



- Red (40%)
- Yellow (87%)
- Blue (46%)



- Cyan (7%)
- Magenta (0%)
- Yellow (54%)
- Black (13%)




- Cyan (20%)
- Magenta (13%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6513, 0.3776, 0.4639 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 65.6513, 0.3776, 0.4639 by changing the saturation by 10% instead.




 65.6513, 0.3776,  
0.4639

 65.6513, 0.3776,  
0.4639


445.1288, 0.3505,  
0.3999


 47.9894, 0.3825,  
0.4783


 112.9857, 0.3691,  
0.4418

 33.8185, 0.3877,  
0.4956


 143.4270, 0.3655,  
0.4331

 22.7542, 0.3929,  
0.5167


 178.8969, 0.3623,  
0.4256

 14.4121, 0.3968,  
0.5423

 219.7797, 0.3595,  
0.4191

 8.4078, 0.4008,  
0.5783

266.4599, 0.3569,  
0.4134

 4.3570, 0.3895,  
0.6105

319.3219, 0.3546,

 1.8752, 0.3564,

0.4084

0.6436

378.7501, 0.3525,  
0.4039

0.5334, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

65.6513, 0.3776,  
0.4639

65.6513, 0.3776,  
0.4639

64.8546, 0.3859,  
0.4844

66.5788, 0.3673,  
0.4406

64.1703, 0.3919,  
0.5010


67.6367, 0.3557,  
0.4154

63.5902, 0.3952,  
0.5132


68.8357, 0.3431,  
0.3894

63.1009, 0.3960,  
0.5210

70.1830, 0.3303,  
0.3634

 62.8311, 0.3956,  
0.5241

 71.6850, 0.3175,  
0.3383

 73.3480, 0.3052,  
0.3145

 75.0666, 0.2945,  
0.2939

 75.5497, 0.2964,  
0.2941

 76.0412, 0.2984,  
0.2943

# Harmonies

## Analogous

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



65.6513, 0.4349, 0.4306



65.6513, 0.3776, 0.4639



65.6513, 0.3065, 0.4540

# Triad

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



65.6513, 0.3776, 0.4639



65.6513, 0.1837, 0.2530



65.6513, 0.3810, 0.2733

# Complementary

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



65.6513, 0.3776, 0.4639



18.5786, 0.2207, 0.1622

# 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.



65.6513, 0.3045, 0.2357



65.6513, 0.3776, 0.4639



65.6513, 0.1978, 0.2214

# Square

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



65.6513, 0.3776, 0.4639



65.6513, 0.1978, 0.3141



65.6513, 0.2390, 0.2170



65.6513, 0.4414, 0.3234



# Rectangle

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



65.6513, 0.3776, 0.4639



65.6513, 0.2610, 0.4178



65.6513, 0.2390, 0.2170



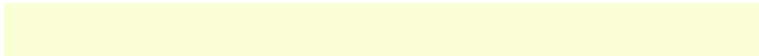
65.6513, 0.3558, 0.2590

# Sweetspot

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



65.6543, 0.3776, 0.4639



96.6214, 0.3332, 0.3693



29.2616, 0.4598, 0.3478



20.5966, 0.3359, 0.3747



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.



65.6543, 0.3776, 0.4639



89.5274, 0.3871, 0.4875



58.7499, 0.3321, 0.4871



15.1707, 0.3246, 0.3522



36.5367, 0.3960, 0.5238



2.3921, 0.4000, 0.5206



# Inverse Universe

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



18.5786, 0.2207, 0.1622



17.8183, 0.1981, 0.1249



24.1186, 0.2743, 0.1837



12.7006, 0.3002, 0.3050



3.2181, 0.1554, 0.0630



0.2362, 0.1674, 0.0696



# Previews

## White Background



This preview shows how the Yxy color 65.6513, 0.3776, 0.4639 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 65.6513, 0.3776, 0.4639 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 65.6513, 0.3776, 0.4639**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.6513, 0.3776, 0.4639.



This preview shows how white text looks on a background with the Yxy color 65.6513, 0.3776, 0.4639.

# 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

65.6513, 0.3776, 0.4639

### Protanopia

65.4802, 0.4077, 0.4470

### Deuteranopia

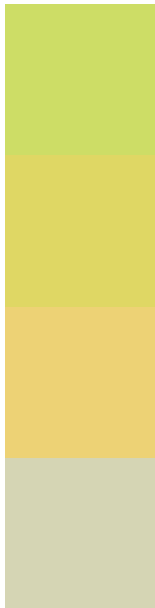
65.4525, 0.4136, 0.4083



## Tritanopia

65.3990, 0.3091, 0.3114

# Trichromacy



**Original Color**

65.6513, 0.3776, 0.4639

**Protanomaly**

65.2090, 0.3964, 0.4532

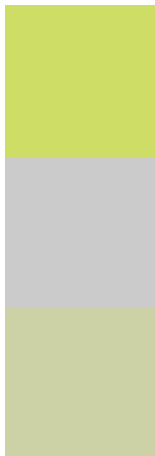
**Deuteranomaly**

65.3821, 0.4004, 0.4279

**Tritanomaly**

65.0299, 0.3358, 0.3672

# Monochromacy



**Original Color**

65.6513, 0.3776, 0.4639

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

61.6837, 0.3393, 0.3817

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.6513, 0.3776, 0.4639 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(205, 221, 102)` looks like.

```
.text, #text, p{  
    color:rgb(205, 221, 102)  
}
```

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(205, 221, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 221, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 65.6513, 0.3776, 0.4639 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(205, 221, 102) }
```

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

```
.border{ border-color:rgb(205, 221, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 221, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 221, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 221, 102);  
box-shadow:4px 4px 4px 4px rgb(205, 221,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.6513, 0.3776, 0.4639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 221, 102) }
```

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

```
.background{ background-color: rgb(205,  
221, 102) }
```

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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