

# Converting Colors

$Yxy(68.7450, 0.3696, 0.4583)$

Have a look what the booklet for  
Yxy(68.7450, 0.3696, 0.4583)  
contains.

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# Color

**Yxy(68.5417, 0.3699, 0.4585)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDE270
RGB	205, 226, 112
RGB Percent	80%, 89%, 44%
CMY	0.1961, 0.1137, 0.5607
CMYK	0.09, 0.00, 0.50, 0.11
HSL	71°, 66%, 66%
HSV	71°, 50%, 89%
XYZ	55.2968, 68.5417, 25.6527
YIQ	206.7250, 24.0780, -39.9060

# Conversions

## Conversions Part 2

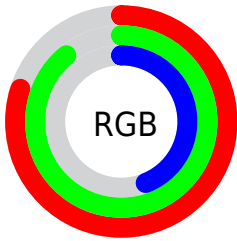
Format	Color
<a href="#">RYB</a>	<a href="#">112, 226, 133</a>
Decimal	<a href="#">13492848</a>
CIELab	<a href="#">86.28, -23.44, 52.81</a>
CIELCh	<a href="#">86, 57.783, 113.935</a>
Yxy	<a href="#">68.5417, 0.3699, 0.4585</a>
Android (android.graphics.Color)	<a href="#">4291682928 (0xFFCDE270)</a>
YUV	<a href="#">206.7250, -46.6994, -1.5128</a>
Hunter-Lab	<a href="#">82.7899, -25.6592, 39.5818</a>

# Details

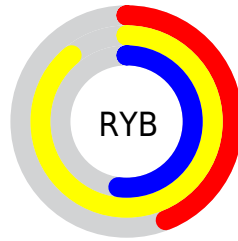
The Yxy color **68.5417, 0.3699, 0.4585** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.0771, 0.2319, 0.1753**, and the grayscale version is **62.5074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5332, 0.3655, 0.4162**, and **35.8311, 0.3792, 0.4897** is the 20% darker color. If you saturate the color by 10%, you get **67.5179, 0.3780, 0.4810**, and if you desaturate by 10%, it is **69.7138, 0.3600, 0.4336**.

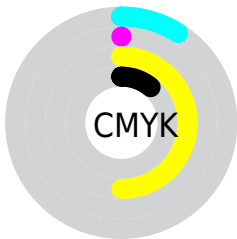
# Distribution



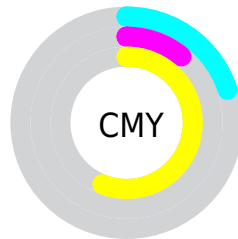
- Red (80%)
- Green (89%)
- Blue (44%)



- Red (44%)
- Yellow (89%)
- Blue (52%)



- Cyan (9%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)




- Cyan (20%)
- Magenta (11%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5417, 0.3699, 0.4585 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 68.5417, 0.3699, 0.4585 by changing the saturation by 10% instead.




 68.5417, 0.3699,  
0.4585

 68.5417, 0.3699,  
0.4585


455.4129, 0.3462,  
0.3970


 50.3386, 0.3742,  
0.4724


 117.1267, 0.3625,  
0.4371

 35.6825, 0.3789,  
0.4894


 148.2774, 0.3593,  
0.4288

 24.1891, 0.3835,  
0.5102


 184.5128, 0.3565,  
0.4216

 15.4739, 0.3873,  
0.5361

226.2172, 0.3540,  
0.4154

 9.1527, 0.3889,  
0.5688

273.7750, 0.3518,  
0.4099

 4.8409, 0.3861,  
0.6139

327.5706, 0.3497,

 2.1542, 0.3533,

0.4051

0.6467

387.9884, 0.3479,  
0.4008

0.6949, 0.1126,  
0.8874

0.0000, 0.0000,  
0.0000

68.5417, 0.3699,  
0.4585

68.5417, 0.3699,  
0.4585

67.5179, 0.3780,  
0.4810

69.7138, 0.3600,  
0.4336

66.6235, 0.3839,  
0.5001

71.0337, 0.3489,  
0.4074

65.8502, 0.3872,  
0.5150

72.5125, 0.3371,  
0.3808


65.1849, 0.3880,  
0.5252


74.1575, 0.3251,  
0.3549

 64.6277, 0.3867,  
0.5312

 75.9758, 0.3132,  
0.3300

 77.9737, 0.3018,  
0.3067

 79.1369, 0.3000,  
0.2997

 79.8513, 0.3028,  
0.2999

 80.5824, 0.3056,  
0.3002

# Harmonies

## Analogous

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



68.5417, 0.4262, 0.4303



68.5417, 0.3699, 0.4585



68.5417, 0.3017, 0.4441

# Triad

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



68.5417, 0.3699, 0.4585



68.5417, 0.1891, 0.2531



68.5417, 0.3836, 0.2794

# Complementary

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



68.5417, 0.3699, 0.4585



22.0771, 0.2319, 0.1753

# 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.



68.5417, 0.3110, 0.2419



68.5417, 0.3699, 0.4585



68.5417, 0.2049, 0.2248

# Square

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



68.5417, 0.3699, 0.4585



68.5417, 0.2006, 0.3095



68.5417, 0.2467, 0.2222



68.5417, 0.4384, 0.3285



# Rectangle

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



68.5417, 0.3699, 0.4585



68.5417, 0.2587, 0.4076



68.5417, 0.2467, 0.2222



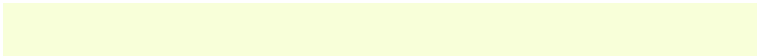
68.5417, 0.3599, 0.2653

# Sweetspot

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



68.5448, 0.3699, 0.4585



96.4634, 0.3307, 0.3669



34.0954, 0.4425, 0.3536



20.5496, 0.3332, 0.3724



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.



68.5448, 0.3699, 0.4585



88.6492, 0.3787, 0.4831



61.8747, 0.3277, 0.4786



15.8951, 0.3239, 0.3524



36.9157, 0.3872, 0.5308



2.5924, 0.3924, 0.5266



# Inverse Universe

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



22.0771, 0.2319, 0.1753



20.8289, 0.2109, 0.1395



28.0227, 0.2830, 0.1946



13.3643, 0.3009, 0.3050



3.4469, 0.1588, 0.0648



0.2748, 0.1726, 0.0724



# Previews

## White Background



This preview shows how the Yxy color 68.5417, 0.3699, 0.4585 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 68.5417, 0.3699, 0.4585 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

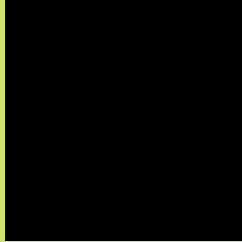
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.5417, 0.3699, 0.4585**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.5417, 0.3699, 0.4585.



This preview shows how white text looks on a background with the Yxy color 68.5417, 0.3699, 0.4585.

# 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**

68.5417, 0.3699, 0.4585

**Protanopia**

68.3930, 0.4028, 0.4403

**Deuteranopia**

67.8688, 0.3987, 0.3949



## Tritanopia

68.3617, 0.3056, 0.3105

# Trichromacy



## Original Color

68.5417, 0.3699, 0.4585

## Protanomaly

68.4809, 0.3905, 0.4474

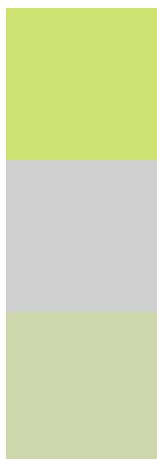
## Deuteranomaly

67.7636, 0.3886, 0.4171

## Tritanomaly

68.0268, 0.3309, 0.3644

# Monochromacy



## Original Color

68.5417, 0.3699, 0.4585

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

64.1935, 0.3359, 0.3786

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.5417, 0.3699, 0.4585 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, 226, 112)` looks like.

```
.text, #text, p{  
    color:rgb(205, 226, 112)  
}
```

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, 226, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 226, 112) }
```

## Border

The CSS property to change the border of an element to Yxy 68.5417, 0.3699, 0.4585 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, 226, 112) }
```

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

```
.border{ border-color:rgb(205, 226, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 226, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 226, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 226, 112); box-shadow:4px 4px 4px 4px rgb(205, 226, 112) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.5417, 0.3699, 0.4585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 226, 112) }
```

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

```
.background{ background-color: rgb(205,  
226, 112) }
```

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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