

# Converting Colors

$Y_{xy}(70.3587, 0.3800, 0.4790)$

Have a look what the booklet for  
Yxy(70.3587, 0.3800, 0.4790)  
contains.

<b>Yxy(70.6317, 0.3796, 0.4792)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(70.6317, 0.3796, 0.4792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFE65C
RGB	207, 230, 92
RGB Percent	81%, 90%, 36%
CMY	0.1884, 0.0980, 0.6392
CMYK	0.10, 0.00, 0.60, 0.10
HSL	70°, 73%, 63%
HSV	70°, 60%, 90%
XYZ	55.9512, 70.6317, 20.8122
YIQ	207.3910, 30.5900, -47.7940

# Conversions

## Conversions Part 2

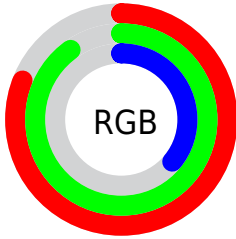
Format	Color
R <sub>Y</sub> B	92, 230, 115
Decimal	13624924
CIE Lab	87.31, -26.24, 62.91
CIE LCh	87, 68.158, 112.642
Yxy	70.6317, 0.3796, 0.4792
Android (android.graphics.Color)	4291815004 (0xFFCFE65C)
YUV	207.3910, -56.8878, -0.3429
Hunter-Lab	84.0427, -28.2388, 44.1474

# Details

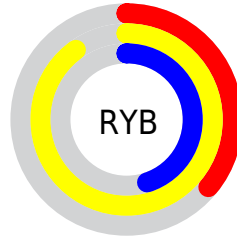
The Yxy color **70.6317, 0.3796, 0.4792** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **17.0215, 0.2116, 0.1430**, and the grayscale version is **63.0196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8866, 0.3761, 0.4338**, and **37.2595, 0.3880, 0.5127** is the 20% darker color. If you saturate the color by 10%, you get **69.7449, 0.3859, 0.4981**, and if you desaturate by 10%, it is **71.6605, 0.3711, 0.4569**.

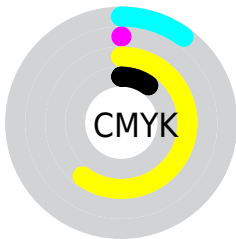
# Distribution



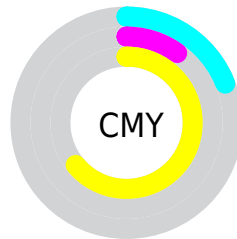
- Red (81%)
- Green (90%)
- Blue (36%)



- Red (36%)
- Yellow (90%)
- Blue (45%)



- Cyan (10%)
- Magenta (0%)
- Yellow (60%)
- Black (10%)




- Cyan (19%)
- Magenta (10%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6317, 0.3796, 0.4792 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 70.6317, 0.3796, 0.4792 by changing the saturation by 10% instead.





 70.6317, 0.3796,  
0.4792


 70.6317, 0.3796,  
0.4792


462.7649, 0.3532,  
0.4090

 52.0417, 0.3839,  
0.4945

 120.1092, 0.3717,  
0.4552

 37.0383, 0.3881,  
0.5127


 151.7654, 0.3683,  
0.4458

 25.2372, 0.3917,  
0.5345


 188.5459, 0.3651,  
0.4376

 16.2538, 0.3933,  
0.5603

 230.8349, 0.3623,  
0.4304

 9.7039, 0.3954,  
0.5985

279.0169, 0.3597,  
0.4241

 5.2031, 0.3763,  
0.6237

333.4763, 0.3573,

 2.3669, 0.3416,

0.4185

0.6584

394.5975, 0.3552,  
0.4135

0.8088, 0.1368,  
0.8632

0.0000, 0.0000,  
0.0000

70.6317, 0.3796,  
0.4792

70.6317, 0.3796,  
0.4792

69.7449, 0.3859,  
0.4981

71.6605, 0.3711,  
0.4569

68.9789, 0.3896,  
0.5127

72.8318, 0.3608,  
0.4321

68.3232, 0.3907,  
0.5227

74.1578, 0.3493,  
0.4060


67.7544, 0.3897,  
0.5288


75.6469, 0.3372,  
0.3797


 67.7542, 0.3897,  
0.5288

 77.3067, 0.3248,  
0.3538

 79.1443, 0.3127,  
0.3290

 81.1665, 0.3010,  
0.3057

 81.9502, 0.3024,  
0.3040

 82.6217, 0.3049,  
0.3042

# Harmonies

## Analogous

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



70.6317, 0.4443, 0.4410



70.6317, 0.3796, 0.4792



70.6317, 0.3014, 0.4680

# Triad

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



70.6317, 0.3796, 0.4792



70.6317, 0.1720, 0.2424



70.6317, 0.3916, 0.2696

# Complementary

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



70.6317, 0.3796, 0.4792



17.0215, 0.2116, 0.1430

# 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.



70.6317, 0.3063, 0.2284



70.6317, 0.3796, 0.4792



70.6317, 0.1884, 0.2103

# Square

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



70.6317, 0.3796, 0.4792



70.6317, 0.1854, 0.3080



70.6317, 0.2338, 0.2072



70.6317, 0.4576, 0.3238



# Rectangle

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



70.6317, 0.3796, 0.4792



70.6317, 0.2520, 0.4258



70.6317, 0.2338, 0.2072



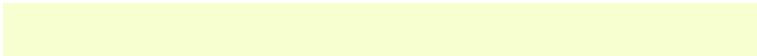
70.6317, 0.3635, 0.2540

# Sweetspot

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



70.6349, 0.3796, 0.4792



95.9623, 0.3348, 0.3747



29.8640, 0.4828, 0.3542



20.4148, 0.3384, 0.3824



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.



70.6349, 0.3796, 0.4792



87.8774, 0.3870, 0.5020



62.7811, 0.3294, 0.5079



16.6889, 0.3242, 0.3524



38.3982, 0.3902, 0.5284



2.8700, 0.3947, 0.5248



# Inverse Universe

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



17.0215, 0.2116, 0.1430



14.6074, 0.1892, 0.1070



23.5636, 0.2728, 0.1697



14.0023, 0.3006, 0.3049



3.5080, 0.1574, 0.0641



0.2940, 0.1697, 0.0709



# Previews

## White Background



This preview shows how the Yxy color 70.6317, 0.3796, 0.4792 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 70.6317, 0.3796, 0.4792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

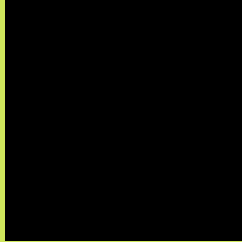
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 70.6317, 0.3796, 0.4792**

## Background



This preview shows how black text looks on a background with the Yxy color 70.6317, 0.3796, 0.4792.



This preview shows how white text looks on a background with the Yxy color 70.6317, 0.3796, 0.4792.

# 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

70.6317, 0.3796, 0.4792

### Protanopia

70.4390, 0.4157, 0.4568

### Deuteranopia

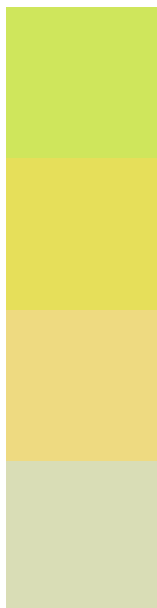
70.0505, 0.3918, 0.3918



## Tritanopia

70.5245, 0.3057, 0.3107

# Trichromacy



## Original Color

70.6317, 0.3796, 0.4792

## Protanomaly

70.3365, 0.4024, 0.4651

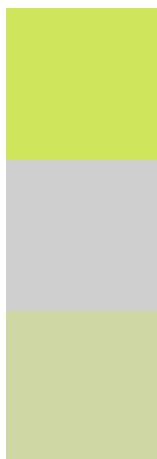
## Deuteranomaly

69.9049, 0.3895, 0.4235

## Tritanomaly

69.8420, 0.3361, 0.3731

# Monochromacy



## Original Color

70.6317, 0.3796, 0.4792

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

64.5829, 0.3413, 0.3879

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6317, 0.3796, 0.4792 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(207, 230, 92)` looks like.

```
.text, #text, p{  
    color:rgb(207, 230, 92)  
}
```

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(207, 230, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 230, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6317, 0.3796, 0.4792 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(207, 230, 92) }
```

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

```
.border{ border-color:rgb(207, 230, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 230, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 230, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 230, 92);  
box-shadow:4px 4px 4px 4px rgb(207, 230,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6317, 0.3796, 0.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 230, 92) }
```

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

```
.background{ background-color: rgb(207,  
230, 92) }
```

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