

# Converting Colors

$Yxy(72.7408, 0.3797, 0.4913)$

Have a look what the booklet for  
Yxy(72.7408, 0.3797, 0.4913)  
contains.

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**Color**

**Yxy(73.0050, 0.3798, 0.4916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDEB52
RGB	205, 235, 82
RGB Percent	80%, 92%, 32%
CMY	0.1962, 0.0784, 0.6785
CMYK	0.13, 0.00, 0.65, 0.08
HSL	72°, 79%, 62%
HSV	72°, 65%, 92%
XYZ	56.4022, 73.0050, 19.0977
YIQ	208.5880, 31.2330, -53.9430

# Conversions

## Conversions Part 2

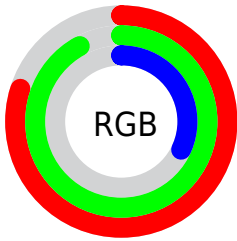
Format	Color
R <sub>Y</sub> B	82, 235, 112
Decimal	13495122
CIE Lab	88.45, -30.05, 68.13
CIE LCh	88, 74.465, 113.799
Yxy	73.0050, 0.3798, 0.4916
Android (android.graphics.Color)	4291685202 (0xFFCDEB52)
YUV	208.5880, -62.4079, -3.1467
Hunter-Lab	85.4430, -31.6947, 46.5579

# Details

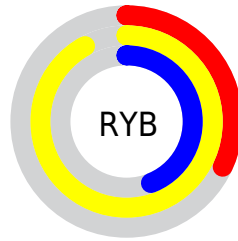
The Yxy color **73.0050, 0.3798, 0.4916** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **15.4780, 0.2050, 0.1285**, and the grayscale version is **63.8750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6150, 0.3809, 0.4417**, and **38.4723, 0.3866, 0.5269** is the 20% darker color. If you saturate the color by 10%, you get **72.0634, 0.3843, 0.5090**, and if you desaturate by 10%, it is **74.0950, 0.3729, 0.4703**.

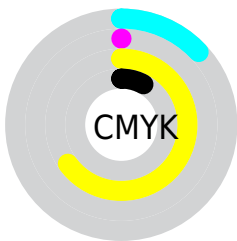
# Distribution



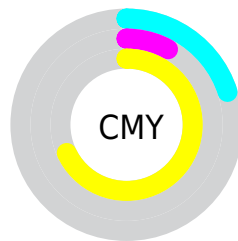
- Red (80%)
- Green (92%)
- Blue (32%)



- Red (32%)
- Yellow (92%)
- Blue (44%)



- Cyan (13%)
- Magenta (0%)
- Yellow (65%)
- Black (8%)




- Cyan (20%)
- Magenta (8%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0050, 0.3798, 0.4916 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 73.0050, 0.3798, 0.4916 by changing the saturation by 10% instead.





 73.0050, 0.3798,  
0.4916

 73.0050, 0.3798,  
0.4916


471.0321, 0.3546,  
0.4162


 53.9801, 0.3835,  
0.5078


 123.4843, 0.3726,  
0.4661

 38.5857, 0.3867,  
0.5269


 155.7075, 0.3694,  
0.4559

 26.4376, 0.3888,  
0.5494


 193.0988, 0.3663,  
0.4471

 17.1513, 0.3881,  
0.5756

 236.0427, 0.3635,  
0.4393

 10.3424, 0.3866,  
0.6134

284.9236, 0.3610,  
0.4325

 5.6266, 0.3630,  
0.6370

340.1259, 0.3587,

 2.6194, 0.3254,

0.4265

0.6746

402.0339, 0.3565,  
0.4211

0.9364, 0.1425,  
0.8575

0.0000, 0.0000,  
0.0000

73.0050, 0.3798,  
0.4916

73.0050, 0.3798,  
0.4916

72.0634, 0.3843,  
0.5090

74.0950, 0.3729,  
0.4703

71.2470, 0.3861,  
0.5219


75.3350, 0.3640,  
0.4461


70.5429, 0.3854,  
0.5301


76.7383, 0.3536,  
0.4202


70.2273, 0.3845,  
0.5329


78.3141, 0.3422,  
0.3935

 80.0711, 0.3304,  
0.3671

 82.0169, 0.3186,  
0.3415

 84.1589, 0.3072,  
0.3174

 85.5001, 0.3050,  
0.3092

 86.3263, 0.3080,  
0.3094

# Harmonies

## Analogous

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



73.0050, 0.4505, 0.4495



73.0050, 0.3798, 0.4916



73.0050, 0.2961, 0.4788

# Triad

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



73.0050, 0.3798, 0.4916



73.0050, 0.1631, 0.2336



73.0050, 0.4010, 0.2672

# Complementary

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



73.0050, 0.3798, 0.4916



15.4780, 0.2050, 0.1285

# 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.



73.0050, 0.3089, 0.2231



73.0050, 0.3798, 0.4916



73.0050, 0.1816, 0.2016

# Square

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



73.0050, 0.3798, 0.4916



73.0050, 0.1755, 0.3020



73.0050, 0.2305, 0.1998



73.0050, 0.4709, 0.3246



# Rectangle

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



73.0050, 0.3798, 0.4916



73.0050, 0.2439, 0.4311



73.0050, 0.2305, 0.1998



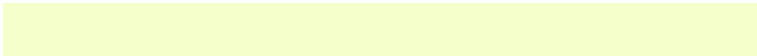
73.0050, 0.3707, 0.2506

# Sweetspot

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



73.0083, 0.3798, 0.4916



95.2900, 0.3363, 0.3801



29.4342, 0.5028, 0.3577



20.2701, 0.3397, 0.3876



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.



73.0083, 0.3798, 0.4916



86.3985, 0.3852, 0.5137



64.8141, 0.3275, 0.5241



17.4689, 0.3238, 0.3525



39.1341, 0.3851, 0.5325



3.1110, 0.3901, 0.5285



# Inverse Universe

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



15.4780, 0.2050, 0.1285



12.4987, 0.1827, 0.0944



22.5402, 0.2707, 0.1589



14.6913, 0.3010, 0.3048



3.7051, 0.1596, 0.0653



0.3300, 0.1721, 0.0721



# Previews

## White Background



This preview shows how the Yxy color 73.0050, 0.3798, 0.4916 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 73.0050, 0.3798, 0.4916 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 73.0050, 0.3798, 0.4916**

## Background



This preview shows how black text looks on a background with the Yxy color 73.0050, 0.3798, 0.4916.

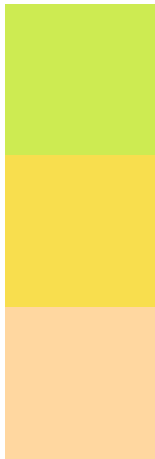


This preview shows how white text looks on a background with the Yxy color 73.0050, 0.3798, 0.4916.

# 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

73.0050, 0.3798, 0.4916

### Protanopia

72.7491, 0.4225, 0.4642

### Deuteranopia

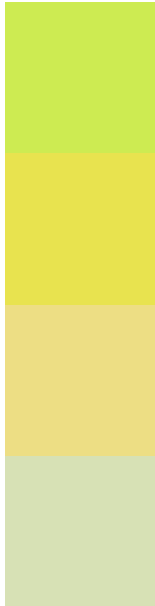
72.3989, 0.3829, 0.3857



## Tritanopia

72.6730, 0.3024, 0.3108

# Trichromacy



## Original Color

73.0050, 0.3798, 0.4916

## Protanomaly

72.6585, 0.4064, 0.4750

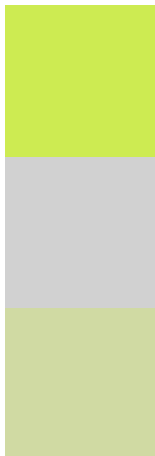
## Deuteranomaly

71.9130, 0.3850, 0.4245

## Tritanomaly

71.6337, 0.3346, 0.3788

# Monochromacy



## Original Color

73.0050, 0.3798, 0.4916

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

66.1970, 0.3429, 0.3934

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0050, 0.3798, 0.4916 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, 235, 82)` looks like.

```
.text, #text, p{  
    color:rgb(205, 235, 82)  
}
```

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, 235, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 235, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0050, 0.3798, 0.4916 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, 235, 82) }
```

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

```
.border{ border-color:rgb(205, 235, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 235, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 235, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 235, 82);  
box-shadow:4px 4px 4px 4px rgb(205, 235,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0050, 0.3798, 0.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 235, 82) }
```

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

```
.background{ background-color: rgb(205,  
235, 82) }
```

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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