

# Converting Colors

$Yxy(73.5442, 0.4170, 0.4628)$

Have a look what the booklet for  
Yxy(73.5442, 0.4170, 0.4628)  
contains.

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# **Color**

**Yxy(73.5442, 0.4170, 0.4628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6E054
RGB	246, 224, 84
RGB Percent	96%, 88%, 33%
CMY	0.0353, 0.1216, 0.6704
CMYK	0.00, 0.09, 0.66, 0.04
HSL	52°, 90%, 65%
HSV	52°, 66%, 96%
XYZ	66.2661, 73.5442, 19.1012
YIQ	214.6180, 58.0520, -38.8760

# Conversions

## Conversions Part 2

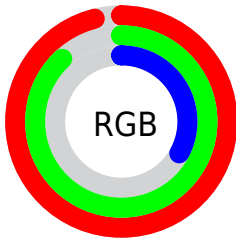
Format	Color
R <sub>Y</sub> B	109, 246, 84
Decimal	16179284
CIE Lab	88.71, -7.96, 68.57
CIE LCh	89, 69.030, 96.625
Yxy	73.5442, 0.4170, 0.4628
Android (android.graphics.Color)	4294369364 (0xFFFF6E054)
YUV	214.6180, -64.3947, 27.5220
Hunter-Lab	85.7579, -12.1475, 46.8247

# Details

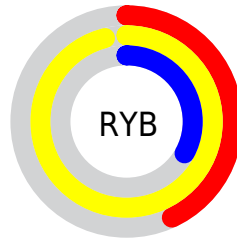
The Yxy color **73.5442, 0.4170, 0.4628** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **18.8631, 0.1902, 0.1410**, and the grayscale version is **68.1039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6734, 0.3798, 0.4400**, and **38.8621, 0.4335, 0.4875** is the 20% darker color. If you saturate the color by 10%, you get **71.4479, 0.4288, 0.4744**, and if you desaturate by 10%, it is **75.8181, 0.4029, 0.4472**.

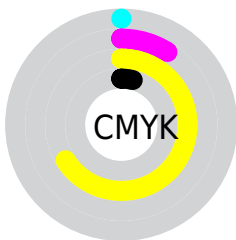
# Distribution



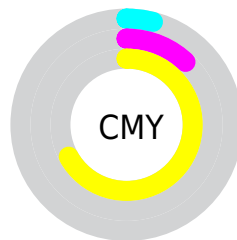
- Red (96%)
- Green (88%)
- Blue (33%)



- Red (43%)
- Yellow (96%)
- Blue (33%)



- Cyan (0%)
- Magenta (9%)
- Yellow (66%)
- Black (4%)




- Cyan (4%)
- Magenta (12%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.5442, 0.4170, 0.4628 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 73.5442, 0.4170, 0.4628 by changing the saturation by 10% instead.




 73.5442, 0.4170,  
0.4628

 73.5442, 0.4170,  
0.4628


472.8988, 0.3736,  
0.4045


 54.4211, 0.4249,  
0.4743


 124.2495, 0.4034,  
0.4439


 38.9384, 0.4335,  
0.4873


 156.6004, 0.3977,  
0.4361

 26.7118, 0.4424,  
0.5017


 194.1294, 0.3925,  
0.4292

 17.3569, 0.4506,  
0.5171

 237.2208, 0.3879,  
0.4231

 10.4893, 0.4616,  
0.5384

286.2590, 0.3838,  
0.4177

 5.7246, 0.4558,  
0.5442

341.6285, 0.3801,

 2.6783, 0.4465,

0.4128

403.7136, 0.3767,  
0.4084

0.5535

0.9662, 0.4276,  
0.5724

0.0000, 0.0000,  
0.0000

73.5442, 0.4170,  
0.4628

73.5442, 0.4170,  
0.4628

71.4479, 0.4288,  
0.4744

75.8181, 0.4029,  
0.4472

69.5036, 0.4378,  
0.4814

78.2722, 0.3873,  
0.4285

67.6963, 0.4440,  
0.4839

80.9213, 0.3707,  
0.4076


66.9717, 0.4460,  
0.4841


83.7758, 0.3539,  
0.3855

 86.8453, 0.3373,  
0.3632

 90.1386, 0.3215,  
0.3414

 93.5824, 0.3074,  
0.3216

 95.6498, 0.3073,  
0.3249

 97.7541, 0.3072,  
0.3281

# Harmonies

## Analogous

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



73.5442, 0.4664, 0.4112



73.5442, 0.4170, 0.4628



73.5442, 0.3436, 0.4817

# Triad

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



73.5442, 0.4170, 0.4628



73.5442, 0.1754, 0.2733



73.5442, 0.3461, 0.2455

# Complementary

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



73.5442, 0.4170, 0.4628



18.8631, 0.1902, 0.1410

# 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.



73.5442, 0.2647, 0.2143



73.5442, 0.4170, 0.4628



73.5442, 0.1761, 0.2236

# Square

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



73.5442, 0.4170, 0.4628



73.5442, 0.2056, 0.3547



73.5442, 0.2060, 0.2057



73.5442, 0.4268, 0.2938



# Rectangle

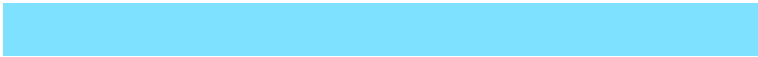
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.5442, 0.4170, 0.4628



73.5442, 0.2911, 0.4615



73.5442, 0.2060, 0.2057



73.5442, 0.3175, 0.2329

# Sweetspot

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



73.5477, 0.4170, 0.4628



92.7973, 0.3442, 0.3726



27.0341, 0.4982, 0.3067



19.6626, 0.3489, 0.3789



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.



73.5477, 0.4170, 0.4628



76.8031, 0.4321, 0.4772



77.4185, 0.3625, 0.5045



18.9070, 0.3272, 0.3493



35.8968, 0.4455, 0.4845



3.2590, 0.4417, 0.4875



# Inverse Universe

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



18.8631, 0.1902, 0.1410



13.8655, 0.1698, 0.1047



18.6438, 0.2219, 0.1345



16.2897, 0.2979, 0.3079



4.2595, 0.1529, 0.0706



0.4852, 0.1579, 0.0884



# Previews

## White Background



This preview shows how the Yxy color 73.5442, 0.4170, 0.4628 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 73.5442, 0.4170, 0.4628 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 73.5442, 0.4170, 0.4628**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.5442, 0.4170, 0.4628.



This preview shows how white text looks on a background with the Yxy color 73.5442, 0.4170, 0.4628.

# 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

73.5442, 0.4170, 0.4628

### Protanopia

73.5552, 0.4200, 0.4607

### Deuteranopia

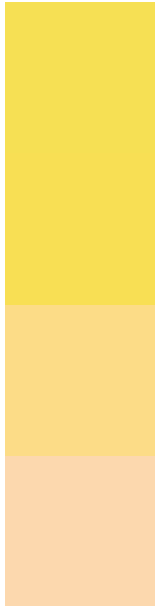
73.5660, 0.3793, 0.3835



## Tritanopia

73.3395, 0.3350, 0.3140

# Trichromacy



## Original Color

73.5442, 0.4170, 0.4628

## Protanomaly

73.3719, 0.4192, 0.4612

## Deuteranomaly

73.6311, 0.3957, 0.4156

## Tritanomaly

72.8632, 0.3700, 0.3727

# Monochromacy



## Original Color

73.5442, 0.4170, 0.4628

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

69.1016, 0.3541, 0.3859

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.5442, 0.4170, 0.4628 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(246, 224, 84)` looks like.

```
.text, #text, p{  
    color:rgb(246, 224, 84)  
}
```

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(246, 224, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 224, 84) }
```

## Border

The CSS property to change the border of an element to Yxy 73.5442, 0.4170, 0.4628 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(246, 224, 84) }
```

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

```
.border{ border-color:rgb(246, 224, 84) }
```

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

Here you see how a box with a 4 pixel rgb(246, 224, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 224, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 224, 84);  
box-shadow:4px 4px 4px 4px rgb(246, 224,  
84) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.5442, 0.4170, 0.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 224, 84) }
```

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

```
.background{ background-color: rgb(246,  
224, 84) }
```

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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