

# Converting Colors

$Yxy(73.9215, 0.4235, 0.4747)$

Have a look what the booklet for  
Yxy(73.9215, 0.4235, 0.4747)  
contains.

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# **Color**

**Yxy(73.8249, 0.4237, 0.4748)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6E141
RGB	246, 225, 65
RGB Percent	96%, 88%, 25%
CMY	0.0354, 0.1176, 0.7450
CMYK	0.00, 0.09, 0.74, 0.04
HSL	53°, 91%, 61%
HSV	53°, 74%, 96%
XYZ	65.8795, 73.8249, 15.7819
YIQ	213.0390, 63.8760, -45.3080

# Conversions

## Conversions Part 2

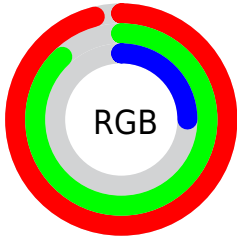
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	89, 246, 65
Decimal	16179521
CIE Lab	88.84, -9.40, 75.70
CIE LCh	89, 76.281, 97.079
Yxy	73.8249, 0.4237, 0.4748
Android (android.graphics.Color)	4294369601 (0xFFFF6E141)
YUV	213.0390, -72.9832, 28.9068
Hunter-Lab	85.9214, -13.4991, 49.2547

# Details

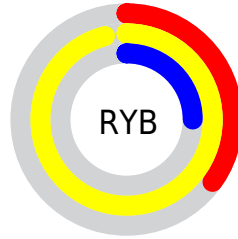
The Yxy color **73.8249, 0.4237, 0.4748** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **14.4309, 0.1766, 0.1151**, and the grayscale version is **67.0350, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2101, 0.3884, 0.4541**, and **39.1886, 0.4352, 0.4926** is the 20% darker color. If you saturate the color by 10%, you get **72.0746, 0.4327, 0.4831**, and if you desaturate by 10%, it is **75.7319, 0.4120, 0.4620**.

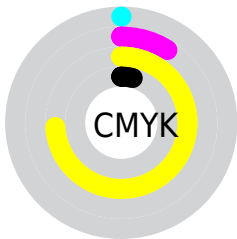
# Distribution



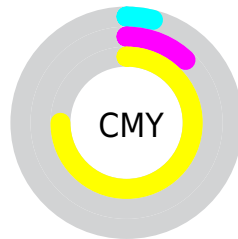
- Red (96%)
- Green (88%)
- Blue (25%)



- Red (35%)
- Yellow (96%)
- Blue (25%)



- Cyan (0%)
- Magenta (9%)
- Yellow (74%)
- Black (4%)




- Cyan (4%)
- Magenta (12%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8249, 0.4237, 0.4748 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 73.8249, 0.4237, 0.4748 by changing the saturation by 10% instead.




 73.8249, 0.4237,  
0.4748


 73.8249, 0.4237,  
0.4748


473.8688, 0.3789,  
0.4124


 54.6507, 0.4313,  
0.4866


 124.6476, 0.4101,  
0.4549


 39.1222, 0.4392,  
0.4997


 157.0648, 0.4042,  
0.4466


 26.8548, 0.4468,  
0.5137


 194.6653, 0.3989,  
0.4392

 17.4642, 0.4534,  
0.5286

 237.8333, 0.3941,  
0.4327

 10.5660, 0.4570,  
0.5430

 286.9533, 0.3897,  
0.4268

 5.7758, 0.4501,  
0.5499

342.4096, 0.3858,

 2.7092, 0.4391,

0.4215

0.5609

404.5866, 0.3822,  
0.4167

■ 0.9819, 0.4164,  
0.5836

■ 0.0000, 0.0000,  
0.0000

■ 73.8249, 0.4237,  
0.4748

■ 73.8249, 0.4237,  
0.4748

■ 72.0746, 0.4327,  
0.4831

■ 75.7319, 0.4120,  
0.4620


■ 70.4531, 0.4389,  
0.4869

■ 77.7995, 0.3981,  
0.4454


■ 69.4626, 0.4417,  
0.4875


■ 80.0438, 0.3827,  
0.4258


■ 82.4759, 0.3664,  
0.4042

 85.1057, 0.3498,  
0.3816

 87.9427, 0.3336,  
0.3589

 90.9954, 0.3180,  
0.3367

 93.8257, 0.3074,  
0.3220

 95.5894, 0.3073,  
0.3248

# Harmonies

## Analogous

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



73.8249, 0.4795, 0.4168



73.8249, 0.4237, 0.4748



73.8249, 0.3433, 0.4984

# Triad

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



73.8249, 0.4237, 0.4748



73.8249, 0.1636, 0.2656



73.8249, 0.3504, 0.2389

# Complementary

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



73.8249, 0.4237, 0.4748



14.4309, 0.1766, 0.1151

# 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.



73.8249, 0.2609, 0.2053



73.8249, 0.4237, 0.4748



73.8249, 0.1652, 0.2132

# Square

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



73.8249, 0.4237, 0.4748



73.8249, 0.1947, 0.3551



73.8249, 0.1974, 0.1953



73.8249, 0.4397, 0.2907



# Rectangle

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



73.8249, 0.4237, 0.4748



73.8249, 0.2863, 0.4763



73.8249, 0.1974, 0.1953



73.8249, 0.3188, 0.2254

# Sweetspot

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



73.8284, 0.4237, 0.4748



92.8224, 0.3473, 0.3781



24.0463, 0.5406, 0.3127



19.6952, 0.3518, 0.3843



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.



73.8284, 0.4237, 0.4748



77.3987, 0.4359, 0.4854



75.5798, 0.3598, 0.5235



18.9665, 0.3271, 0.3497



37.2193, 0.4413, 0.4878



3.3623, 0.4381, 0.4903



# Inverse Universe

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



14.4309, 0.1766, 0.1151



10.3914, 0.1591, 0.0825



15.5367, 0.2143, 0.1171



16.2357, 0.2979, 0.3074



4.1088, 0.1523, 0.0683



0.4596, 0.1568, 0.0844



# Previews

## White Background



This preview shows how the Yxy color 73.8249, 0.4237, 0.4748 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 73.8249, 0.4237, 0.4748 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 73.8249, 0.4237, 0.4748**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.8249, 0.4237, 0.4748.

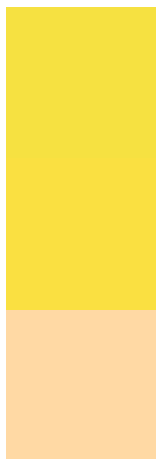


This preview shows how white text looks on a background with the Yxy color 73.8249, 0.4237, 0.4748.

# 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

73.8249, 0.4237, 0.4748

### Protanopia

74.0170, 0.4275, 0.4720

### Deuteranopia

73.5660, 0.3793, 0.3835



## Tritanopia

73.8380, 0.3349, 0.3150

# Trichromacy



## Original Color

73.8249, 0.4237, 0.4748

## Protanomaly

73.8327, 0.4267, 0.4725

## Deuteranomaly

73.4404, 0.4002, 0.4221

## Tritanomaly

73.1112, 0.3748, 0.3809

# Monochromacy



## Original Color

73.8249, 0.4237, 0.4748

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

68.1365, 0.3592, 0.3940

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8249, 0.4237, 0.4748 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, 225, 65)` looks like.

```
.text, #text, p{  
    color:rgb(246, 225, 65)  
}
```

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, 225, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 225, 65) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8249, 0.4237, 0.4748 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, 225, 65) }
```

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

```
.border{ border-color:rgb(246, 225, 65) }
```

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

Here you see how a box with a 4 pixel rgb(246, 225, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 225, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 225, 65);  
box-shadow:4px 4px 4px 4px rgb(246, 225,  
65) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.8249, 0.4237, 0.4748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 225, 65) }
```

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

```
.background{ background-color: rgb(246,  
225, 65) }
```

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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