

# Converting Colors

$Yxy(69.1051, 0.4206, 0.4697)$

Have a look what the booklet for  
Yxy(69.1051, 0.4206, 0.4697)  
contains.

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# Color

**Yxy(68.9614, 0.4207, 0.4692)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFDA48
RGB	239, 218, 72
RGB Percent	94%, 85%, 28%
CMY	0.0628, 0.1450, 0.7176
CMYK	0.00, 0.09, 0.70, 0.06
HSL	52°, 84%, 61%
HSV	52°, 70%, 94%
XYZ	61.8330, 68.9614, 16.1821
YIQ	207.6350, 59.3820, -40.9540

# Conversions

## Conversions Part 2

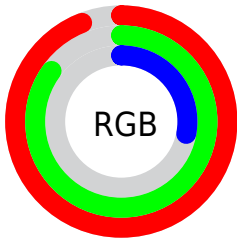
Format	Color
RYB	96, 239, 72
Decimal	15718984
CIELab	86.48, -8.50, 70.76
CIELCh	86, 71.268, 96.852
Yxy	68.9614, 0.4207, 0.4692
Android (android.graphics.Color)	4293909064 (0xFFEFDA48)
YUV	207.6350, -66.8681, 27.5071
Hunter-Lab	83.0430, -12.4158, 46.5766

# Details

The Yxy color **68.9614, 0.4207, 0.4692** 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 **15.4320, 0.1831, 0.1275**, and the grayscale version is **63.2407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3385, 0.3860, 0.4501**, and **35.7781, 0.4359, 0.4921** is the 20% darker color. If you saturate the color by 10%, you get **67.1685, 0.4311, 0.4791**, and if you desaturate by 10%, it is **70.9102, 0.4078, 0.4550**.

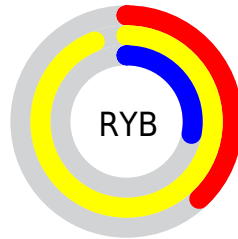
# Distribution



Red (94%)

Green (85%)

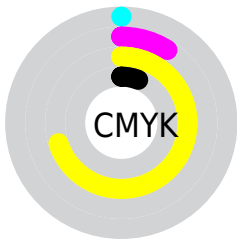
Blue (28%)



Red (38%)

Yellow (94%)

Blue (28%)

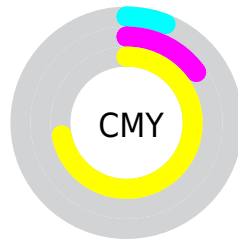


Cyan (0%)

Magenta (9%)

Yellow (70%)

Black (6%)



Cyan (6%)

Magenta (15%)


Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9614, 0.4207, 0.4692 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 68.9614, 0.4207, 0.4692 by changing the saturation by 10% instead.





 68.9614, 0.4207,  
0.4692


 68.9614, 0.4207,  
0.4692

456.8948, 0.3759,  
0.4079

 50.6803, 0.4287,  
0.4812


 117.7264, 0.4068,  
0.4494

 35.9542, 0.4371,  
0.4946


 148.9791, 0.4009,  
0.4412


 24.3988, 0.4455,  
0.5092


 185.3245, 0.3955,  
0.4339

 15.6297, 0.4531,  
0.5249

 227.1469, 0.3908,  
0.4275

 9.2625, 0.4587,  
0.5413

 274.8307, 0.3865,  
0.4218

 4.9128, 0.4518,  
0.5482

328.7604, 0.3826,

 2.1962, 0.4406,

0.4166

0.5594

389.3203, 0.3791,  
0.4120

■ 0.7179, 0.3981,  
0.6019

■ 0.0000, 0.0000,  
0.0000

■ 68.9614, 0.4207,  
0.4692

■ 68.9614, 0.4207,  
0.4692

■ 67.1685, 0.4311,  
0.4791

■ 70.9102, 0.4078,  
0.4550

■ 65.5065, 0.4386,  
0.4845


■ 73.0177, 0.3930,  
0.4373

■ 63.9537, 0.4436,  
0.4859

■ 75.2984, 0.3770,  
0.4170

■ 63.9342, 0.4437,  
0.4859


■ 77.7623, 0.3604,  
0.3951

 80.4185, 0.3438,  
0.3727

 83.2754, 0.3277,  
0.3503

 86.3409, 0.3125,  
0.3287

 89.0840, 0.3031,  
0.3161

 90.8853, 0.3030,  
0.3191

# Harmonies

## Analogous

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



68.9614, 0.4735, 0.4142



68.9614, 0.4207, 0.4692



68.9614, 0.3436, 0.4905

# Triad

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



68.9614, 0.4207, 0.4692



68.9614, 0.1691, 0.2693



68.9614, 0.3483, 0.2420

# Complementary

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



68.9614, 0.4207, 0.4692



15.4320, 0.1831, 0.1275

# 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.



68.9614, 0.2627, 0.2095



68.9614, 0.4207, 0.4692



68.9614, 0.1703, 0.2181

# Square

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



68.9614, 0.4207, 0.4692



68.9614, 0.1999, 0.3550



68.9614, 0.2014, 0.2001



68.9614, 0.4336, 0.2921



# Rectangle

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



68.9614, 0.4207, 0.4692



68.9614, 0.2886, 0.4693



68.9614, 0.2014, 0.2001



68.9614, 0.3181, 0.2288

# Sweetspot

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



68.9647, 0.4207, 0.4692



92.8026, 0.3458, 0.3754



23.7952, 0.5195, 0.3095



19.6778, 0.3503, 0.3816



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.



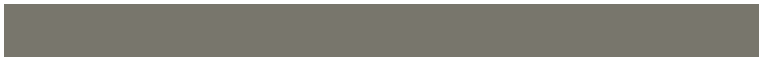
68.9647, 0.4207, 0.4692



76.9616, 0.4348, 0.4821



71.6259, 0.3614, 0.5143



18.1005, 0.3271, 0.3495



35.4718, 0.4433, 0.4862



3.0449, 0.4397, 0.4891



# Inverse Universe

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



15.4320, 0.1831, 0.1275



11.7851, 0.1634, 0.0917



15.8708, 0.2178, 0.1252



15.5485, 0.2980, 0.3077



4.0589, 0.1526, 0.0695



0.4394, 0.1576, 0.0874



# Previews

## White Background



This preview shows how the Yxy color 68.9614, 0.4207, 0.4692 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

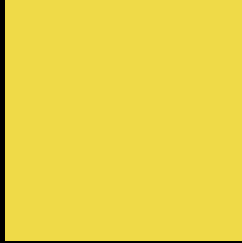
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.9614, 0.4207, 0.4692 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 68.9614, 0.4207, 0.4692**

## Background



This preview shows how black text looks on a background with the Yxy color 68.9614, 0.4207, 0.4692.

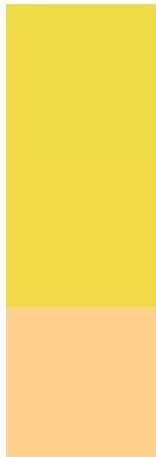


This preview shows how white text looks on a background with the Yxy color 68.9614, 0.4207, 0.4692.

# 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

68.9614, 0.4207, 0.4692

### Protanopia

68.9708, 0.4238, 0.4669

### Deuteranopia

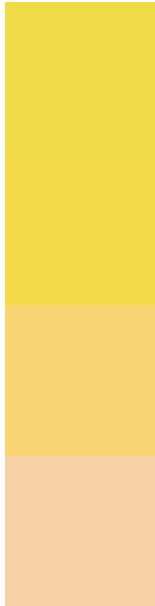
68.7544, 0.3999, 0.3998



## Tritanopia

68.8623, 0.3373, 0.3127

# Trichromacy



## Original Color

68.9614, 0.4207, 0.4692

## Protanomaly

68.7944, 0.4230, 0.4674

## Deuteranomaly

68.4645, 0.4103, 0.4275

## Tritanomaly

68.1283, 0.3742, 0.3747

# Monochromacy



## Original Color

68.9614, 0.4207, 0.4692

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

64.6502, 0.3559, 0.3898

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.9614, 0.4207, 0.4692 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(239, 218, 72)` looks like.

```
.text, #text, p{  
    color:rgb(239, 218, 72)  
}
```

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(239, 218, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 218, 72) }
```

## Border

The CSS property to change the border of an element to Yxy 68.9614, 0.4207, 0.4692 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(239, 218, 72) }
```

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

```
.border{ border-color:rgb(239, 218, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 218, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 218, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 218, 72);  
box-shadow:4px 4px 4px 4px rgb(239, 218,  
72) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.9614, 0.4207, 0.4692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 218, 72) }
```

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

```
.background{ background-color: rgb(239,  
218, 72) }
```

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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