

# Converting Colors

$Y_{xy}(74.1908, 0.4165, 0.4673)$

Have a look what the booklet for  
Yxy(74.1908, 0.4165, 0.4673)  
contains.

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# **Color**

**Yxy(74.3844, 0.4166, 0.4674)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E250
RGB	245, 226, 80
RGB Percent	96%, 89%, 31%
CMY	0.0392, 0.1137, 0.6861
CMYK	0.00, 0.08, 0.67, 0.04
HSL	53°, 89%, 64%
HSV	53°, 67%, 96%
XYZ	66.2998, 74.3844, 18.4608
YIQ	215.0370, 58.1900, -41.3780

# Conversions

## Conversions Part 2

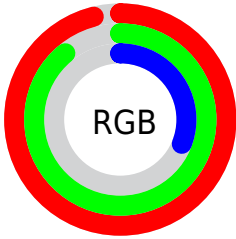
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	101, 245, 80
Decimal	16114256
CIE Lab	89.10, -9.60, 70.52
CIE LCh	89, 71.169, 97.753
Yxy	74.3844, 0.4166, 0.4674
Android (android.graphics.Color)	4294304336 (0xFFFF5E250)
YUV	215.0370, -66.5732, 26.2776
Hunter-Lab	86.2464, -13.7136, 47.6816

# Details

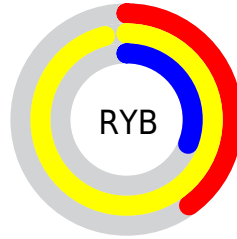
The Yxy color **74.3844, 0.4166, 0.4674** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **17.2291, 0.1867, 0.1326**, and the grayscale version is **68.4162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **39.4576, 0.4322, 0.4926** is the 20% darker color. If you saturate the color by 10%, you get **72.5681, 0.4273, 0.4786**, and if you desaturate by 10%, it is **76.3649, 0.4035, 0.4521**.

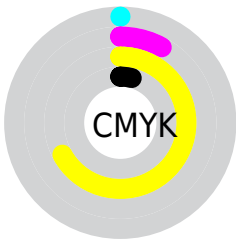
# Distribution



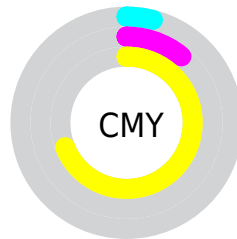
- Red (96%)
- Green (89%)
- Blue (31%)



- Red (40%)
- Yellow (96%)
- Blue (31%)



- Cyan (0%)
- Magenta (8%)
- Yellow (67%)
- Black (4%)



- Cyan (4%)
- Magenta (11%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3844, 0.4166, 0.4674 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 74.3844, 0.4166, 0.4674 by changing the saturation by 10% instead.




 74.3844, 0.4166,  
0.4674


 74.3844, 0.4166,  
0.4674


475.7990, 0.3739,  
0.4072

 55.1087, 0.4242,  
0.4792

 125.4406, 0.4034,  
0.4479

 39.4888, 0.4323,  
0.4925


 157.9898, 0.3978,  
0.4399

 27.1402, 0.4405,  
0.5073


 195.7324, 0.3927,  
0.4328

 17.6785, 0.4478,  
0.5230

 239.0527, 0.3881,  
0.4265

 10.7194, 0.4565,  
0.5435

288.3352, 0.3840,  
0.4209

 5.8785, 0.4495,  
0.5505

343.9641, 0.3803,

 2.7713, 0.4384,

0.4158

0.5616

406.3239, 0.3770,  
0.4113

■ 1.0136, 0.4165,  
0.5835

■ 0.0000, 0.0000,  
0.0000

■ 74.3844, 0.4166,  
0.4674

■ 74.3844, 0.4166,  
0.4674

■ 72.5681, 0.4273,  
0.4786

■ 76.3649, 0.4035,  
0.4521

■ 70.8903, 0.4352,  
0.4852


■ 78.5120, 0.3886,  
0.4335


■ 69.3345, 0.4404,  
0.4874


■ 80.8408, 0.3725,  
0.4125


■ 68.9312, 0.4415,  
0.4876


■ 83.3616, 0.3560,  
0.3902

 86.0838, 0.3396,  
0.3674

 89.0162, 0.3238,  
0.3450

 92.1671, 0.3088,  
0.3233

 94.1139, 0.3067,  
0.3227

 95.8661, 0.3067,  
0.3255

# Harmonies

## Analogous

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



74.3844, 0.4688, 0.4147



74.3844, 0.4166, 0.4674



74.3844, 0.3409, 0.4858

# Triad

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



74.3844, 0.4166, 0.4674



74.3844, 0.1718, 0.2691



74.3844, 0.3502, 0.2452

# Complementary

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



74.3844, 0.4166, 0.4674



17.2291, 0.1867, 0.1326

# 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.



74.3844, 0.2662, 0.2126



74.3844, 0.4166, 0.4674



74.3844, 0.1738, 0.2197

# Square

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



74.3844, 0.4166, 0.4674



74.3844, 0.2012, 0.3517



74.3844, 0.2053, 0.2028



74.3844, 0.4325, 0.2948



# Rectangle

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



74.3844, 0.4166, 0.4674



74.3844, 0.2872, 0.4635



74.3844, 0.2053, 0.2028



74.3844, 0.3207, 0.2321

# Sweetspot

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



74.3879, 0.4166, 0.4674



93.4516, 0.3440, 0.3736



26.0616, 0.5124, 0.3121



19.8216, 0.3486, 0.3800



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.



74.3879, 0.4166, 0.4674



78.7565, 0.4307, 0.4816



75.7960, 0.3590, 0.5102



18.9687, 0.3271, 0.3498



37.2693, 0.4411, 0.4880



3.3662, 0.4380, 0.4904



# Inverse Universe

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



17.2291, 0.1867, 0.1326



12.5229, 0.1663, 0.0963



18.2005, 0.2240, 0.1327



16.2337, 0.2979, 0.3074



4.1036, 0.1523, 0.0683



0.4587, 0.1567, 0.0842



# Previews

## White Background



This preview shows how the Yxy color 74.3844, 0.4166, 0.4674 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

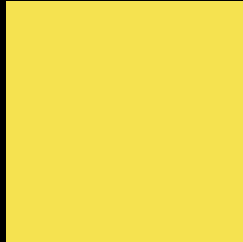
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.3844, 0.4166, 0.4674 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 74.3844, 0.4166, 0.4674**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.3844, 0.4166, 0.4674.

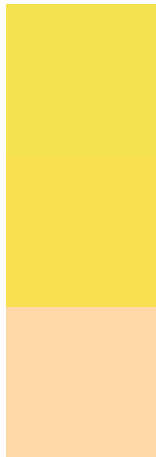


This preview shows how white text looks on a background with the Yxy color 74.3844, 0.4166, 0.4674.

# 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

74.3844, 0.4166, 0.4674

### Protanopia

74.2145, 0.4218, 0.4636

### Deuteranopia

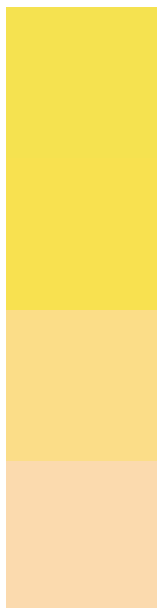
74.2300, 0.3761, 0.3804



## Tritanopia

74.4499, 0.3334, 0.3140

# Trichromacy



## Original Color

74.3844, 0.4166, 0.4674

## Protanomaly

74.3861, 0.4196, 0.4653

## Deuteranomaly

73.9997, 0.3938, 0.4158

## Tritanomaly

73.7080, 0.3686, 0.3748

# Monochromacy



## Original Color

74.3844, 0.4166, 0.4674

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

69.5850, 0.3546, 0.3880

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.3844, 0.4166, 0.4674 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(245, 226, 80)` looks like.

```
.text, #text, p{  
    color:rgb(245, 226, 80)  
}
```

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(245, 226, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 226, 80) }
```

## Border

The CSS property to change the border of an element to Yxy 74.3844, 0.4166, 0.4674 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(245, 226, 80) }
```

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

```
.border{ border-color:rgb(245, 226, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 226, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 226, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 226, 80);  
box-shadow:4px 4px 4px 4px rgb(245, 226,  
80) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.3844, 0.4166, 0.4674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 226, 80) }
```

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

```
.background{ background-color: rgb(245,  
226, 80) }
```

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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