

# Converting Colors

$Y_{xy}(64.5590, 0.4139, 0.4276)$

Have a look what the booklet for  
Yxy(64.5590, 0.4139, 0.4276)  
contains.

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# **Color**

**Yxy(64.6809, 0.4137, 0.4279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5CE6E
RGB	245, 206, 110
RGB Percent	96%, 81%, 43%
CMY	0.0393, 0.1921, 0.5686
CMYK	0.00, 0.16, 0.55, 0.04
HSL	43°, 87%, 70%
HSV	43°, 55%, 96%
XYZ	62.5344, 64.6809, 23.9436
YIQ	206.7170, 54.0600, -21.5880

# Conversions

## Conversions Part 2

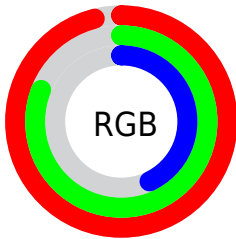
Format	Color
<a href="#">RYB</a>	<a href="#">165, 245, 110</a>
Decimal	<a href="#">16109166</a>
CIELab	<a href="#">84.32, 2.46, 52.25</a>
CIELCh	<a href="#">84, 52.304, 87.299</a>
Yxy	<a href="#">64.6809, 0.4137, 0.4279</a>
Android (android.graphics.Color)	<a href="#">4294299246</a> ( <a href="#">0xFFFF5CE6E</a> )
YUV	<a href="#">206.7170, -47.6815, 33.5742</a>
Hunter-Lab	<a href="#">80.4244, -1.9492, 38.6456</a>

# Details

The Yxy color **64.6809, 0.4137, 0.4279** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.3901, 0.2161, 0.2016**, and the grayscale version is **62.4926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4603, 0.3666, 0.4181**, and **33.2011, 0.4348, 0.4477** is the 20% darker color. If you saturate the color by 10%, you get **60.8935, 0.4330, 0.4415**, and if you desaturate by 10%, it is **68.7751, 0.3937, 0.4115**.

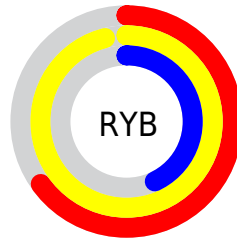
# Distribution



Red (96%)

Green (81%)

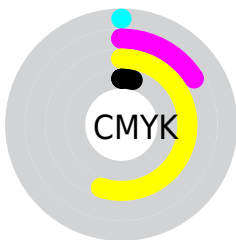
Blue (43%)



Red (65%)

Yellow (96%)

Blue (43%)

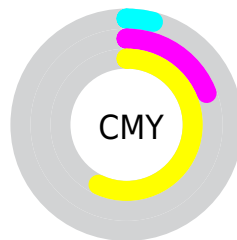


Cyan (0%)

Magenta (16%)

Yellow (55%)

Black (4%)



Cyan (4%)

Magenta (19%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6809, 0.4137, 0.4279 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 64.6809, 0.4137, 0.4279 by changing the saturation by 10% instead.





 64.6809, 0.4137,  
0.4279


 64.6809, 0.4137,  
0.4279


441.6444, 0.3680,  
0.3837


 47.2024, 0.4233,  
0.4370


 111.5910, 0.3984,  
0.4132

 33.1957, 0.4346,  
0.4477


 141.7913, 0.3922,  
0.4073

 22.2764, 0.4478,  
0.4599


 177.0010, 0.3869,  
0.4021

 14.0601, 0.4630,  
0.4735

 217.6045, 0.3822,  
0.3975

 8.1625, 0.4814,  
0.4896

263.9862, 0.3780,  
0.3935

 4.1991, 0.4979,  
0.5021

316.5305, 0.3743,

 1.7856, 0.5013,

0.3899

0.4987

375.6218, 0.3710,  
0.3866

0.4781, 0.5184,  
0.4816

0.0000, 0.0000,  
0.0000

64.6809, 0.4137,  
0.4279

64.6809, 0.4137,  
0.4279

60.8935, 0.4330,  
0.4415

68.7751, 0.3937,  
0.4115

57.3892, 0.4506,  
0.4513

73.1798, 0.3739,  
0.3935

54.1545, 0.4658,  
0.4563

77.9100, 0.3548,  
0.3747

51.1694, 0.4777,  
0.4563

82.9769, 0.3370,  
0.3560

49.7816, 0.4828,  
0.4549

88.3908, 0.3205,  
0.3379

94.0323, 0.3067,  
0.3226

98.1468, 0.3066,  
0.3290

# Harmonies

## Analogous

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



64.6809, 0.4419, 0.3846



64.6809, 0.4137, 0.4279



64.6809, 0.3597, 0.4491

# Triad

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



64.6809, 0.4137, 0.4279



64.6809, 0.2058, 0.3046



64.6809, 0.3190, 0.2509

# Complementary

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



64.6809, 0.4137, 0.4279



31.3901, 0.2161, 0.2016

# 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.



64.6809, 0.2574, 0.2304



64.6809, 0.4137, 0.4279



64.6809, 0.1977, 0.2547

# Square

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



64.6809, 0.4137, 0.4279



64.6809, 0.2402, 0.3719



64.6809, 0.2154, 0.2305



64.6809, 0.3852, 0.2878



# Rectangle

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



64.6809, 0.4137, 0.4279



64.6809, 0.3173, 0.4413



64.6809, 0.2154, 0.2305



64.6809, 0.2969, 0.2420

# Sweetspot

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



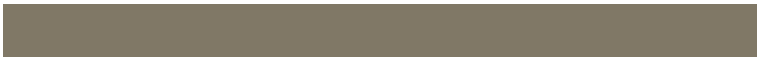
64.6840, 0.4137, 0.4279



89.7911, 0.3403, 0.3596



32.7797, 0.4264, 0.2866



18.9765, 0.3439, 0.3634



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.



64.6840, 0.4137, 0.4279



66.2907, 0.4349, 0.4427



81.3139, 0.3726, 0.4707



18.4582, 0.3276, 0.3458



27.0754, 0.4815, 0.4559



2.5554, 0.4718, 0.4636



# Inverse Universe

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



31.3901, 0.2161, 0.2016



26.6366, 0.1972, 0.1714



23.0641, 0.2240, 0.1596



16.7058, 0.2980, 0.3117



6.1645, 0.1603, 0.0970



0.7108, 0.1670, 0.1212



# Previews

## White Background



This preview shows how the Yxy color 64.6809, 0.4137, 0.4279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

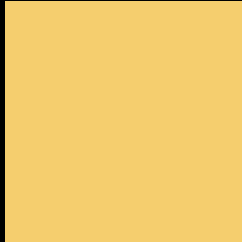
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.6809, 0.4137, 0.4279 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 64.6809, 0.4137, 0.4279**

## **Background**



This preview shows how black text looks on a background with the Yxy color 64.6809, 0.4137, 0.4279.



This preview shows how white text looks on a background with the Yxy color 64.6809, 0.4137, 0.4279.

# 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

64.6809, 0.4137, 0.4279

### Protanopia

64.9142, 0.3990, 0.4353

### Deuteranopia

64.4384, 0.4168, 0.4092



## Tritanopia

64.7542, 0.3489, 0.3137

# Trichromacy



## Original Color

64.6809, 0.4137, 0.4279

## Protanomaly

64.7532, 0.4048, 0.4326

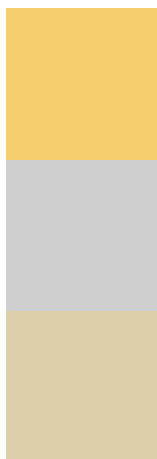
## Deuteranomaly

64.5291, 0.4152, 0.4159

## Tritanomaly

64.4121, 0.3745, 0.3556

# Monochromacy



## Original Color

64.6809, 0.4137, 0.4279

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

62.9764, 0.3492, 0.3691

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.6809, 0.4137, 0.4279 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, 206, 110)` looks like.

```
.text, #text, p{  
    color:rgb(245, 206, 110)  
}
```

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, 206, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 206, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 64.6809, 0.4137, 0.4279 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, 206, 110) }
```

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

```
.border{ border-color:rgb(245, 206, 110) }
```

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

Here you see how a box with a 4 pixel rgb(245, 206, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 206, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 206, 110);  
box-shadow:4px 4px 4px 4px rgb(245, 206,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.6809, 0.4137, 0.4279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 206, 110) }
```

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

```
.background{ background-color: rgb(245,  
206, 110) }
```

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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