

# Converting Colors

$Yxy(89.4510, 0.4926, 0.3932)$

Have a look what the booklet for  
Yxy(89.4510, 0.4926, 0.3932)  
contains.

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# Color

**Yxy(65.5715, 0.4231, 0.4226)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCC6E
RGB	255, 204, 110
RGB Percent	100%, 80%, 43%
CMY	0.0000, 0.2000, 0.5687
CMYK	0.00, 0.20, 0.57, 0.00
HSL	39°, 100%, 72%
HSV	39°, 57%, 100%
XYZ	65.6491, 65.5715, 23.9415
YIQ	208.5330, 60.5700, -18.4220

# Conversions

## Conversions Part 2

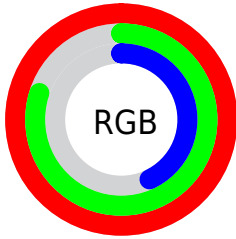
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 255, 110
Decimal	16764014
CIELab	84.78, 7.59, 53.04
CIELCh	85, 53.580, 81.854
Yxy	65.5715, 0.4231, 0.4226
Android (android.graphics.Color)	4294954094 (0xFFFFCC6E)
YUV	208.5330, -48.5768, 40.7516
Hunter-Lab	80.9762, 3.0052, 39.1536

# Details

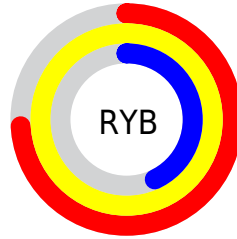
The Yxy color **65.5715, 0.4231, 0.4226** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.0147, 0.2153, 0.2084**, and the grayscale version is **63.7321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4603, 0.3666, 0.4181**, and **33.7203, 0.4461, 0.4402** is the 20% darker color. If you saturate the color by 10%, you get **60.9543, 0.4446, 0.4345**, and if you desaturate by 10%, it is **70.5966, 0.4011, 0.4078**.

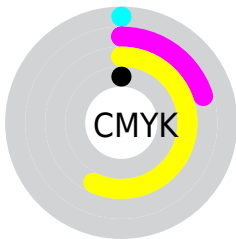
# Distribution



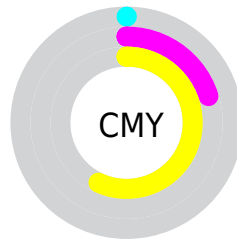
- Red (100%)
- Green (80%)
- Blue (43%)



- Red (74%)
- Yellow (100%)
- Blue (43%)



- Cyan (0%)
- Magenta (20%)
- Yellow (57%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.5715, 0.4231, 0.4226 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 65.5715, 0.4231, 0.4226 by changing the saturation by 10% instead.




 65.5715, 0.4231,  
0.4226

 65.5715, 0.4231,  
0.4226

444.8429, 0.3730,  
0.3817

 47.9246, 0.4337,  
0.4308


 112.8711, 0.4063,  
0.4093


 33.7672, 0.4462,  
0.4401


 143.2926, 0.3995,  
0.4038

 22.7148, 0.4609,  
0.4505


 178.7412, 0.3937,  
0.3990

 14.3831, 0.4779,  
0.4615

 219.6011, 0.3885,  
0.3947

 8.3876, 0.4989,  
0.4738

266.2569, 0.3839,  
0.3910

 4.3439, 0.5190,  
0.4810

319.0928, 0.3799,

 1.8678, 0.5290,

0.3876

0.4710

378.4933, 0.3763,  
0.3845

■ 0.5289, 0.5654,  
0.4346

■ 0.0000, 0.0000,  
0.0000

■ 65.5715, 0.4231,  
0.4226

■ 65.5715, 0.4231,  
0.4226

■ 60.9543, 0.4446,  
0.4345

■ 70.5966, 0.4011,  
0.4078

■ 56.7227, 0.4647,  
0.4422

■ 76.0419, 0.3797,  
0.3913

■ 52.8574, 0.4821,  
0.4450

■ 81.9241, 0.3594,  
0.3741

■ 49.3329, 0.4962,  
0.4425

■ 88.2571, 0.3406,  
0.3568

48.2895, 0.5001,  
0.4411

95.0541, 0.3235,  
0.3400

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



65.5715, 0.4457, 0.3762



65.5715, 0.4231, 0.4226



65.5715, 0.3716, 0.4502

# Triad

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



65.5715, 0.4231, 0.4226



65.5715, 0.2083, 0.3156



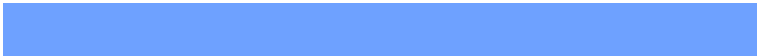
65.5715, 0.3067, 0.2444

# Complementary

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



65.5715, 0.4231, 0.4226



36.0147, 0.2153, 0.2084

# 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.



65.5715, 0.2469, 0.2271



65.5715, 0.4231, 0.4226



65.5715, 0.1952, 0.2606

# Square

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



65.5715, 0.4231, 0.4226



65.5715, 0.2478, 0.3853



65.5715, 0.2085, 0.2313



65.5715, 0.3750, 0.2793



# Rectangle

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



65.5715, 0.4231, 0.4226



65.5715, 0.3291, 0.4480



65.5715, 0.2085, 0.2313



65.5715, 0.2849, 0.2364

# Sweetspot

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



65.5728, 0.4231, 0.4226



88.1725, 0.3408, 0.3570



35.0571, 0.4202, 0.2757



18.5926, 0.3444, 0.3604



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.



65.5728, 0.4231, 0.4226



60.4576, 0.4470, 0.4356



90.4207, 0.3808, 0.4714



19.9526, 0.3278, 0.3444



25.5235, 0.4985, 0.4424

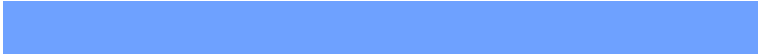


2.6906, 0.4871, 0.4515



# Inverse Universe

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



36.0147, 0.2153, 0.2084



28.5137, 0.1975, 0.1802



23.0591, 0.2137, 0.1506



18.4226, 0.2979, 0.3131



7.8170, 0.1645, 0.1123



0.9572, 0.1708, 0.1347



# Previews

## White Background



This preview shows how the Yxy color 65.5715, 0.4231, 0.4226 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 65.5715, 0.4231, 0.4226 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 65.5715, 0.4231, 0.4226**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.5715, 0.4231, 0.4226.



This preview shows how white text looks on a background with the Yxy color 65.5715, 0.4231, 0.4226.

# 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

65.5715, 0.4231, 0.4226

### Protanopia

65.6029, 0.3986, 0.4349

### Deuteranopia

65.5042, 0.4122, 0.4065



## Tritanopia

65.2939, 0.3511, 0.3168

# Trichromacy



**Original Color**

65.5715, 0.4231, 0.4226

**Protanomaly**

65.4716, 0.4074, 0.4302

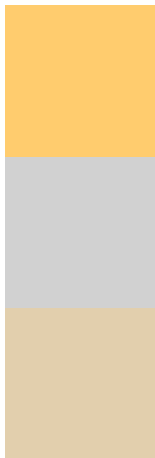
**Deuteranomaly**

65.3523, 0.4164, 0.4120

**Tritanomaly**

65.0854, 0.3794, 0.3573

# Monochromacy



**Original Color**

65.5715, 0.4231, 0.4226

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

63.8115, 0.3525, 0.3675

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.5715, 0.4231, 0.4226 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(255, 204, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 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(255, 204, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 110) }
```

## Border

The CSS property to change the border of an element to Yxy 65.5715, 0.4231, 0.4226 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(255, 204, 110) }
```

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

```
.border{ border-color:rgb(255, 204, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
110) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.5715, 0.4231, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 110) }
```

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

```
.background{ background-color: rgb(255,  
204, 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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