

# Converting Colors

$Y_{xy}(77.2851, 0.4592, 0.4036)$

Have a look what the booklet for  
Yxy(77.2851, 0.4592, 0.4036)  
contains.

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# Color

**Yxy(66.1375, 0.4199, 0.4201)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCD72
RGB	255, 205, 114
RGB Percent	100%, 80%, 45%
CMY	0.0000, 0.1960, 0.5531
CMYK	0.00, 0.20, 0.55, 0.00
HSL	39°, 100%, 72%
HSV	39°, 55%, 100%
XYZ	66.1060, 66.1375, 25.1892
YIQ	209.5760, 59.0110, -17.7010

# Conversions

## Conversions Part 2

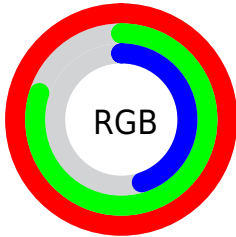
Format	Color
<a href="#">RYB</a>	<a href="#">191, 255, 114</a>
Decimal	<a href="#">16764274</a>
CIELab	<a href="#">85.07, 7.37, 51.48</a>
CIELCh	<a href="#">85, 52.001, 81.853</a>
Yxy	<a href="#">66.1375, 0.4199, 0.4201</a>
Android (android.graphics.Color)	<a href="#">4294954354 (0xFFFFCD72)</a>
YUV	<a href="#">209.5760, -47.1190, 39.8368</a>
Hunter-Lab	<a href="#">81.3250, 2.7773, 38.5632</a>

# Details

The Yxy color **66.1375, 0.4199, 0.4201** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.3276, 0.2181, 0.2128**, and the grayscale version is **64.4415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6072, 0.3643, 0.4143**, and **34.0831, 0.4424, 0.4378** is the 20% darker color. If you saturate the color by 10%, you get **61.4387, 0.4417, 0.4324**, and if you desaturate by 10%, it is **71.2542, 0.3979, 0.4051**.

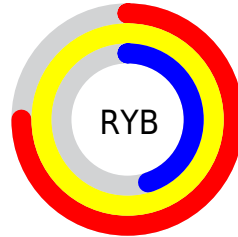
# Distribution



Red (100%)

Green (80%)

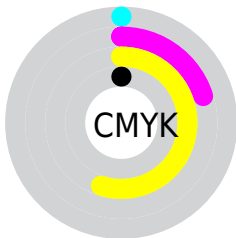
Blue (45%)



Red (75%)

Yellow (100%)

Blue (45%)

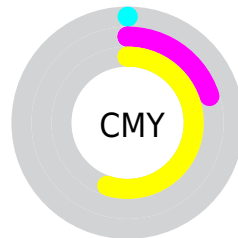


Cyan (0%)

Magenta (20%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.1375, 0.4199, 0.4201 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 66.1375, 0.4199, 0.4201 by changing the saturation by 10% instead.




 66.1375, 0.4199,  
0.4201


 66.1375, 0.4199,  
0.4201


446.8685, 0.3712,  
0.3802


 48.3840, 0.4303,  
0.4281


 113.6837, 0.4035,  
0.4070

 34.1311, 0.4426,  
0.4374


 144.2451, 0.3969,  
0.4017

 22.9943, 0.4571,  
0.4478


 179.8447, 0.3912,  
0.3970

 14.5893, 0.4741,  
0.4592

220.8669, 0.3862,  
0.3928

 8.5317, 0.4942,  
0.4711

267.6959, 0.3818,  
0.3892

 4.4370, 0.5179,  
0.4821

320.7163, 0.3778,

 1.9209, 0.5274,

0.3858

0.4726

380.3123, 0.3743,  
0.3829

■ 0.5609, 0.5597,  
0.4403

■ 0.0000, 0.0000,  
0.0000

■ 66.1375, 0.4199,  
0.4201

■ 66.1375, 0.4199,  
0.4201

■ 61.4387, 0.4417,  
0.4324

■ 71.2542, 0.3979,  
0.4051

■ 57.1304, 0.4622,  
0.4409

■ 76.7957, 0.3765,  
0.3884

■ 53.1952, 0.4802,  
0.4444

■ 82.7800, 0.3564,  
0.3712

■ 49.6089, 0.4949,  
0.4426

■ 89.2214, 0.3378,  
0.3540

■ 48.0319, 0.5009,  
0.4405

■ 96.1330, 0.3209,  
0.3374

99.9994, 0.3127,  
0.3290

# Harmonies

## Analogous

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



66.1375, 0.4416, 0.3753



66.1375, 0.4199, 0.4201



66.1375, 0.3701, 0.4463

# Triad

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



66.1375, 0.4199, 0.4201



66.1375, 0.2114, 0.3163



66.1375, 0.3070, 0.2467

# Complementary

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



66.1375, 0.4199, 0.4201



37.3276, 0.2181, 0.2128

# 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.



66.1375, 0.2489, 0.2299



66.1375, 0.4199, 0.4201



66.1375, 0.1985, 0.2628

# Square

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



66.1375, 0.4199, 0.4201



66.1375, 0.2499, 0.3834



66.1375, 0.2115, 0.2342



66.1375, 0.3731, 0.2808



# Rectangle

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



66.1375, 0.4199, 0.4201



66.1375, 0.3289, 0.4438



66.1375, 0.2115, 0.2342



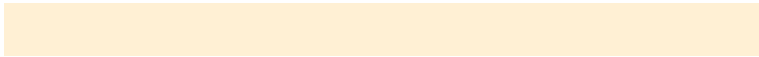
66.1375, 0.2859, 0.2390

# Sweetspot

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



66.1407, 0.4199, 0.4201



88.1015, 0.3408, 0.3569



36.0268, 0.4157, 0.2768



18.5758, 0.3445, 0.3603



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.



66.1407, 0.4199, 0.4201



61.1300, 0.4432, 0.4332



90.5979, 0.3794, 0.4680



19.9438, 0.3278, 0.3443



25.3903, 0.4992, 0.4418



2.6782, 0.4877, 0.4510



# Inverse Universe

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



37.3276, 0.2181, 0.2128



29.8980, 0.2007, 0.1859



24.2135, 0.2168, 0.1558



18.4311, 0.2979, 0.3132



7.8809, 0.1647, 0.1130



0.9642, 0.1710, 0.1355



# Previews

## White Background



This preview shows how the Yxy color 66.1375, 0.4199, 0.4201 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

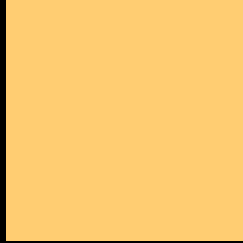
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.1375, 0.4199, 0.4201 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

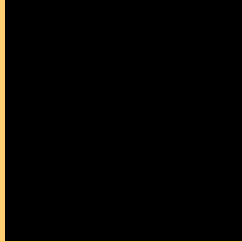
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.1375, 0.4199, 0.4201**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.1375, 0.4199, 0.4201.



This preview shows how white text looks on a background with the Yxy color 66.1375, 0.4199, 0.4201.

# 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

66.1375, 0.4199, 0.4201

### Protanopia

66.3653, 0.3964, 0.4317

### Deuteranopia

66.1117, 0.4081, 0.4027



## Tritanopia

66.3013, 0.3491, 0.3168

# Trichromacy



## Original Color

66.1375, 0.4199, 0.4201

## Protanomaly

66.2314, 0.4052, 0.4272

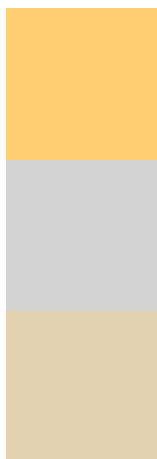
## Deuteranomaly

65.9264, 0.4130, 0.4093

## Tritanomaly

66.1284, 0.3764, 0.3562

# Monochromacy



## Original Color

66.1375, 0.4199, 0.4201

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

64.3756, 0.3508, 0.3663

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.1375, 0.4199, 0.4201 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, 205, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 114)  
}
```

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, 205, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 66.1375, 0.4199, 0.4201 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, 205, 114) }
```

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

```
.border{ border-color:rgb(255, 205, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 205, 114); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 205, 114); box-shadow:4px 4px 4px 4px rgb(255, 205, 114) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.1375, 0.4199, 0.4201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 114) }
```

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

```
.background{ background-color: rgb(255,  
205, 114) }
```

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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