

# Converting Colors

$Yxy(66.9097, 0.4387, 0.4507)$

Have a look what the booklet for  
Yxy(66.9097, 0.4387, 0.4507)  
contains.

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# Color

**Yxy(66.9076, 0.4385, 0.4504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD04D
RGB	255, 208, 77
RGB Percent	100%, 82%, 30%
CMY	0.0000, 0.1843, 0.6980
CMYK	0.00, 0.18, 0.70, 0.00
HSL	44°, 100%, 65%
HSV	44°, 70%, 100%
XYZ	65.1398, 66.9076, 16.5041
YIQ	207.1190, 70.0630, -30.7770

# Conversions

## Conversions Part 2

Format	Color
<b>RYB</b>	141, 255, 77
Decimal	16765005
CIELab	85.46, 3.52, 68.29
CIELCh	85, 68.380, 87.053
Yxy	66.9076, 0.4385, 0.4504
Android (android.graphics.Color)	4294955085 (0xFFFFD04D)
YUV	207.1190, -64.1487, 41.9916
Hunter-Lab	81.7971, -0.9948, 45.2951

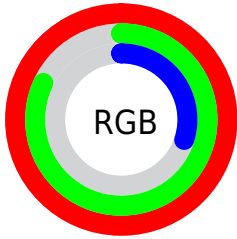
# Details

The Yxy color **66.9076, 0.4385, 0.4504** is a light color, and the websafe version is hex **FFCC33**.

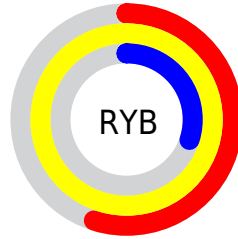
The color can be described as light washed yellow. A complement of this color would be **23.2168, 0.1899, 0.1557**, and the grayscale version is **62.8658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4459, 0.3840, 0.4468**, and **34.5981, 0.4601, 0.4703** is the 20% darker color. If you saturate the color by 10%, you get **63.4015, 0.4540, 0.4584**, and if you desaturate by 10%, it is **70.6952, 0.4208, 0.4381**.

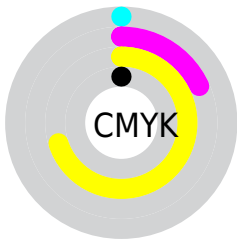
# Distribution



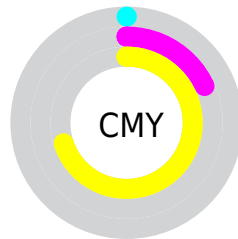
- Red (100%)
- Green (82%)
- Blue (30%)



- Red (55%)
- Yellow (100%)
- Blue (30%)



- Cyan (0%)
- Magenta (18%)
- Yellow (70%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9076, 0.4385, 0.4504 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 66.9076, 0.4385, 0.4504 by changing the saturation by 10% instead.




 66.9076, 0.4385,  
0.4504


 66.9076, 0.4385,  
0.4504


449.6158, 0.3842,  
0.3991

 49.0095, 0.4489,  
0.4599

 114.7880, 0.4211,  
0.4342

 34.6270, 0.4604,  
0.4702


 145.5391, 0.4139,  
0.4274

 23.3757, 0.4728,  
0.4808


 181.3434, 0.4074,  
0.4213

 14.8712, 0.4856,  
0.4911

 222.5852, 0.4017,  
0.4159

 8.7290, 0.4991,  
0.5009

 269.6490, 0.3966,  
0.4110

 4.5649, 0.5019,  
0.4981

322.9191, 0.3920,

 1.9943, 0.5065,

0.4066

0.4935

382.7799, 0.3879,  
0.4027

0.6042, 0.5221,  
0.4779

0.0000, 0.0000,  
0.0000

66.9076, 0.4385,  
0.4504

66.9076, 0.4385,  
0.4504

63.4015, 0.4540,  
0.4584

70.6952, 0.4208,  
0.4381

60.1562, 0.4666,  
0.4614

74.7791, 0.4018,  
0.4225

57.1422, 0.4763,  
0.4599

79.1746, 0.3824,  
0.4046

57.0833, 0.4765,  
0.4598

83.8946, 0.3633,  
0.3855

■ 88.9514, 0.3451,  
0.3660

■ 94.3562, 0.3281,  
0.3470

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.



66.9076, 0.4772, 0.3930



66.9076, 0.4385, 0.4504



66.9076, 0.3692, 0.4846

# Triad

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



66.9076, 0.4385, 0.4504



66.9076, 0.1791, 0.2954



66.9076, 0.3187, 0.2316

# Complementary

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



66.9076, 0.4385, 0.4504



23.2168, 0.1899, 0.1557

# 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.



66.9076, 0.2415, 0.2068



66.9076, 0.4385, 0.4504



66.9076, 0.1702, 0.2337

# Square

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



66.9076, 0.4385, 0.4504



66.9076, 0.2200, 0.3853



66.9076, 0.1911, 0.2060



66.9076, 0.4052, 0.2759



# Rectangle

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



66.9076, 0.4385, 0.4504



66.9076, 0.3158, 0.4785



66.9076, 0.1911, 0.2060



66.9076, 0.2906, 0.2209

# Sweetspot

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



66.9081, 0.4385, 0.4504



88.3257, 0.3472, 0.3684



28.0369, 0.4867, 0.2869



18.6016, 0.3522, 0.3737



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.



66.9081, 0.4385, 0.4504



62.0075, 0.4597, 0.4603



86.2725, 0.3777, 0.5039



20.2313, 0.3276, 0.3464



30.0845, 0.4753, 0.4608



3.1080, 0.4675, 0.4670



# Inverse Universe

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



23.2168, 0.1899, 0.1557



16.3037, 0.1709, 0.1198



16.4193, 0.2004, 0.1165



18.1577, 0.2979, 0.3110



6.0969, 0.1587, 0.0913



0.7631, 0.1646, 0.1125



# Previews

## White Background



This preview shows how the Yxy color 66.9076, 0.4385, 0.4504 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 66.9076, 0.4385, 0.4504 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 66.9076, 0.4385, 0.4504**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.9076, 0.4385, 0.4504.



This preview shows how white text looks on a background with the Yxy color 66.9076, 0.4385, 0.4504.

# 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

66.9076, 0.4385, 0.4504

### Protanopia

67.0084, 0.4206, 0.4616

### Deuteranopia

66.9876, 0.4092, 0.4074



## Tritanopia

66.8100, 0.3482, 0.3168

# Trichromacy



## Original Color

66.9076, 0.4385, 0.4504

## Protanomaly

67.0495, 0.4272, 0.4578

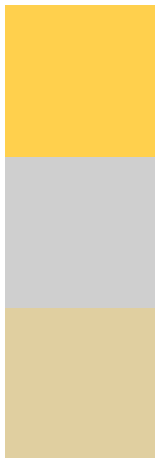
## Deuteranomaly

67.0114, 0.4212, 0.4253

## Tritanomaly

66.1097, 0.3863, 0.3708

# Monochromacy



## Original Color

66.9076, 0.4385, 0.4504

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

63.0110, 0.3606, 0.3826

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.9076, 0.4385, 0.4504 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, 208, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 77)  
}
```

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, 208, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 66.9076, 0.4385, 0.4504 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, 208, 77) }
```

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

```
.border{ border-color:rgb(255, 208, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
77) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.9076, 0.4385, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 77) }
```

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

```
.background{ background-color: rgb(255,  
208, 77) }
```

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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