

# Converting Colors

$Yxy(67.7848, 0.4128, 0.4156)$

Have a look what the booklet for  
Yxy(67.7848, 0.4128, 0.4156)  
contains.

<b>Yxy(67.7769, 0.4129, 0.4157)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(67.7769, 0.4129, 0.4157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD07A
RGB	255, 208, 122
RGB Percent	100%, 82%, 48%
CMY	0.0000, 0.1844, 0.5216
CMYK	0.00, 0.18, 0.52, 0.00
HSL	39°, 100%, 74%
HSV	39°, 52%, 100%
XYZ	67.3204, 67.7769, 27.9455
YIQ	212.2490, 55.6180, -16.7820

# Conversions

## Conversions Part 2

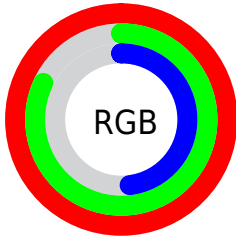
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	195, 255, 122
Decimal	16765050
CIE Lab	85.89, 6.50, 48.58
CIE LCh	86, 49.012, 82.385
Yxy	67.7769, 0.4129, 0.4157
Android (android.graphics.Color)	4294955130 (0xFFFFD07A)
YUV	212.2490, -44.4928, 37.4926
Hunter-Lab	82.3267, 1.8916, 37.5029

# Details

The Yxy color **67.7769, 0.4129, 0.4157** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **39.7371, 0.2235, 0.2206**, and the grayscale version is **66.2816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9146, 0.3597, 0.4066**, and **35.3019, 0.4342, 0.4323** is the 20% darker color. If you saturate the color by 10%, you get **62.9500, 0.4348, 0.4291**, and if you desaturate by 10%, it is **73.0097, 0.3910, 0.4000**.

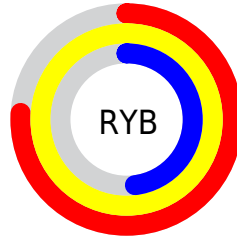
# Distribution



Red (100%)

Green (82%)

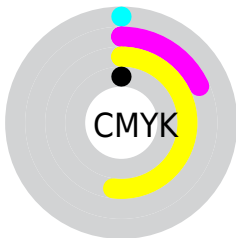
Blue (48%)



Red (76%)

Yellow (100%)

Blue (48%)

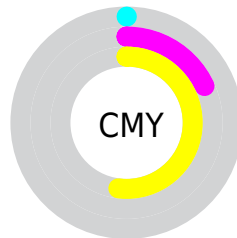


Cyan (0%)

Magenta (18%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7769, 0.4129, 0.4157 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 67.7769, 0.4129, 0.4157 by changing the saturation by 10% instead.




 67.7769, 0.4129,  
0.4157

 67.7769, 0.4129,  
0.4157

452.7052, 0.3673,  
0.3775

 49.7163, 0.4227,  
0.4236


 116.0329, 0.3975,  
0.4031

 35.1880, 0.4344,  
0.4327


 146.9971, 0.3913,  
0.3979

 23.8077, 0.4483,  
0.4432


 183.0312, 0.3860,  
0.3935

 15.1911, 0.4649,  
0.4550

224.5197, 0.3813,  
0.3895

 8.9536, 0.4841,  
0.4674

271.8470, 0.3772,  
0.3860

 4.7109, 0.5138,  
0.4862

325.3974, 0.3735,

 2.0787, 0.5219,

0.3828

0.4781

385.5553, 0.3702,  
0.3800

0.6526, 0.5441,  
0.4559

0.0000, 0.0000,  
0.0000

67.7769, 0.4129,  
0.4157

67.7769, 0.4129,  
0.4157

62.9500, 0.4348,  
0.4291

73.0097, 0.3910,  
0.4000

58.5261, 0.4558,  
0.4388

78.6787, 0.3700,  
0.3831

54.4810, 0.4746,  
0.4440

84.7939, 0.3503,  
0.3658

50.7917, 0.4904,  
0.4440

91.3689, 0.3323,  
0.3487

48.1228, 0.5006,  
0.4407

98.4166, 0.3160,  
0.3324

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.



67.7769, 0.4333, 0.3741



67.7769, 0.4129, 0.4157



67.7769, 0.3661, 0.4387

# Triad

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



67.7769, 0.4129, 0.4157



67.7769, 0.2170, 0.3165



67.7769, 0.3086, 0.2519

# Complementary

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



67.7769, 0.4129, 0.4157



39.7371, 0.2235, 0.2206

# 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.



67.7769, 0.2537, 0.2356



67.7769, 0.4129, 0.4157



67.7769, 0.2051, 0.2666

# Square

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



67.7769, 0.4129, 0.4157



67.7769, 0.2532, 0.3786



67.7769, 0.2178, 0.2396



67.7769, 0.3703, 0.2844



# Rectangle

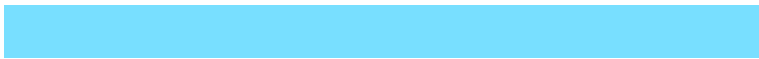
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.7769, 0.4129, 0.4157



67.7769, 0.3273, 0.4354



67.7769, 0.2178, 0.2396



67.7769, 0.2888, 0.2444

# Sweetspot

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



67.7720, 0.4129, 0.4157



88.7869, 0.3390, 0.3552



38.1104, 0.4069, 0.2792



18.7141, 0.3427, 0.3587



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.



67.7720, 0.4129, 0.4157



62.5619, 0.4366, 0.4300



90.9756, 0.3765, 0.4611



19.9469, 0.3278, 0.3443



25.4368, 0.4990, 0.4420



2.6826, 0.4875, 0.4511



# Inverse Universe

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



39.7371, 0.2235, 0.2206



31.7943, 0.2054, 0.1932



26.6913, 0.2231, 0.1665



18.4281, 0.2979, 0.3132



7.8585, 0.1647, 0.1128



0.9617, 0.1709, 0.1352



# Previews

## White Background



This preview shows how the Yxy color 67.7769, 0.4129, 0.4157 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 67.7769, 0.4129, 0.4157 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 67.7769, 0.4129, 0.4157**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7769, 0.4129, 0.4157.



This preview shows how white text looks on a background with the Yxy color 67.7769, 0.4129, 0.4157.

# 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

67.7769, 0.4129, 0.4157

### Protanopia

67.9144, 0.3919, 0.4252

### Deuteranopia

67.8688, 0.3987, 0.3949



## Tritanopia

67.8374, 0.3463, 0.3168

# Trichromacy



**Original Color**

67.7769, 0.4129, 0.4157

**Protanomaly**

67.5969, 0.3997, 0.4212

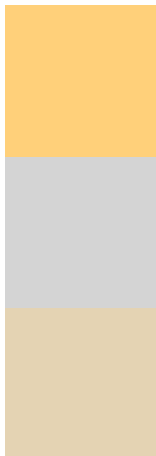
**Deuteranomaly**

67.6349, 0.4044, 0.4027

**Tritanomaly**

67.7410, 0.3715, 0.3541

# Monochromacy



**Original Color**

67.7769, 0.4129, 0.4157

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

66.3372, 0.3487, 0.3647

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7769, 0.4129, 0.4157 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7769, 0.4129, 0.4157 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, 122) }
```

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

```
.border{ border-color:rgb(255, 208, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7769, 0.4129, 0.4157 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, 122) }
```

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

```
.background{ background-color: rgb(255,  
208, 122) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor