

# Converting Colors

$Yxy(83.8328, 0.4662, 0.3984)$

Have a look what the booklet for  
Yxy(83.8328, 0.4662, 0.3984)  
contains.

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# Color

**Yxy(67.7037, 0.4148, 0.4184)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD077
RGB	255, 208, 119
RGB Percent	100%, 82%, 47%
CMY	0.0001, 0.1843, 0.5332
CMYK	0.00, 0.18, 0.53, 0.00
HSL	39°, 100%, 73%
HSV	39°, 53%, 100%
XYZ	67.1212, 67.7037, 26.9909
YIQ	211.9070, 56.5810, -17.7150

# Conversions

## Conversions Part 2

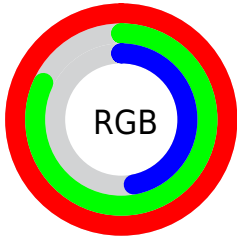
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 255, 119
Decimal	16765047
CIELab	85.86, 6.21, 49.98
CIELCh	86, 50.366, 82.914
Yxy	67.7037, 0.4148, 0.4184
Android (android.graphics.Color)	4294955127 (0xFFFFD077)
YUV	211.9070, -45.8032, 37.7926
Hunter-Lab	82.2823, 1.6161, 38.1488

# Details

The Yxy color **67.7037, 0.4148, 0.4184** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.4120, 0.2212, 0.2162**, and the grayscale version is **66.0577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7971, 0.3614, 0.4095**, and **35.2522, 0.4371, 0.4361** is the 20% darker color. If you saturate the color by 10%, you get **62.9971, 0.4364, 0.4315**, and if you desaturate by 10%, it is **72.8197, 0.3931, 0.4028**.

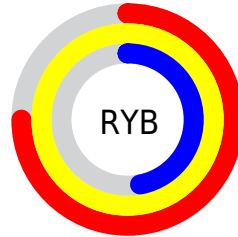
# Distribution



Red (100%)

Green (82%)

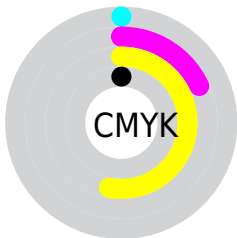
Blue (47%)



Red (75%)

Yellow (100%)

Blue (47%)

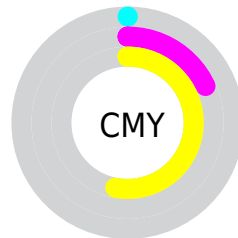


Cyan (0%)

Magenta (18%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7037, 0.4148, 0.4184 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 67.7037, 0.4148, 0.4184 by changing the saturation by 10% instead.





 67.7037, 0.4148,  
0.4184

 67.7037, 0.4148,  
0.4184


452.4455, 0.3685,  
0.3791

 49.6567, 0.4247,  
0.4264


 115.9282, 0.3992,  
0.4054

 35.1407, 0.4364,  
0.4357


 146.8744, 0.3930,  
0.4002

 23.7713, 0.4504,  
0.4464


 182.8893, 0.3875,  
0.3955

 15.1640, 0.4668,  
0.4583

224.3570, 0.3828,  
0.3915

 8.9346, 0.4857,  
0.4707

271.6621, 0.3786,  
0.3878

 4.6985, 0.5127,  
0.4873

325.1890, 0.3748,

 2.0715, 0.5205,

0.3846

0.4795

385.3220, 0.3715,  
0.3817

0.6485, 0.5422,  
0.4578

0.0000, 0.0000,  
0.0000

67.7037, 0.4148,  
0.4184

67.7037, 0.4148,  
0.4184

62.9971, 0.4364,  
0.4315

72.8197, 0.3931,  
0.4028

58.6728, 0.4568,  
0.4410

78.3510, 0.3721,  
0.3857

54.7146, 0.4750,  
0.4458

84.3154, 0.3524,  
0.3682

51.0995, 0.4900,  
0.4453

90.7266, 0.3343,  
0.3510

■ 48.8551, 0.4984,  
0.4425

■ 97.5971, 0.3178,  
0.3343

99.9960, 0.3127,  
0.3290

# Harmonies

## Analogous

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



67.7037, 0.4365, 0.3758



67.7037, 0.4148, 0.4184



67.7037, 0.3663, 0.4420

# Triad

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



67.7037, 0.4148, 0.4184



67.7037, 0.2141, 0.3149



67.7037, 0.3095, 0.2504

# Complementary

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



67.7037, 0.4148, 0.4184



38.4120, 0.2212, 0.2162

# 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.



67.7037, 0.2530, 0.2335



67.7037, 0.4148, 0.4184



67.7037, 0.2024, 0.2641

# Square

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



67.7037, 0.4148, 0.4184



67.7037, 0.2507, 0.3790



67.7037, 0.2159, 0.2370



67.7037, 0.3729, 0.2839



# Rectangle

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



67.7037, 0.4148, 0.4184



67.7037, 0.3264, 0.4383



67.7037, 0.2159, 0.2370



67.7037, 0.2891, 0.2427

# Sweetspot

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



67.7069, 0.4148, 0.4184



88.9799, 0.3390, 0.3555



37.2316, 0.4128, 0.2806



18.7603, 0.3427, 0.3591



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.



67.7069, 0.4148, 0.4184



62.7023, 0.4378, 0.4323



90.4308, 0.3760, 0.4645



19.9722, 0.3278, 0.3445



25.8222, 0.4968, 0.4438

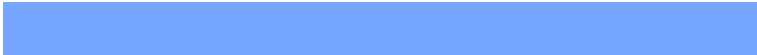


2.7183, 0.4856, 0.4526

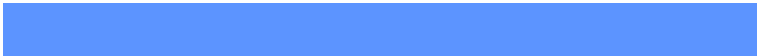


# Inverse Universe

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



38.4120, 0.2212, 0.2162



30.7207, 0.2034, 0.1890



25.9438, 0.2224, 0.1631



18.4038, 0.2979, 0.3130



7.6770, 0.1641, 0.1107



0.9420, 0.1703, 0.1331



# Previews

## White Background



This preview shows how the Yxy color 67.7037, 0.4148, 0.4184 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 67.7037, 0.4148, 0.4184 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 67.7037, 0.4148, 0.4184**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.7037, 0.4148, 0.4184.



This preview shows how white text looks on a background with the Yxy color 67.7037, 0.4148, 0.4184.

# 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

67.7037, 0.4148, 0.4184

### Protanopia

67.8389, 0.3938, 0.4281

### Deuteranopia

67.8386, 0.3994, 0.3959



## Tritanopia

67.8374, 0.3463, 0.3168

# Trichromacy



**Original Color**

67.7037, 0.4148, 0.4184

**Protanomaly**

67.5221, 0.4017, 0.4241

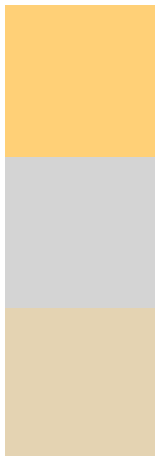
**Deuteranomaly**

67.6069, 0.4051, 0.4036

**Tritanomaly**

67.7004, 0.3723, 0.3551

# Monochromacy



**Original Color**

67.7037, 0.4148, 0.4184

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

66.2969, 0.3495, 0.3659

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.7037, 0.4148, 0.4184 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 119) }
```

## Border

The CSS property to change the border of an element to Yxy 67.7037, 0.4148, 0.4184 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, 119) }
```

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

```
.border{ border-color:rgb(255, 208, 119) }
```

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, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
119) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.7037, 0.4148, 0.4184 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, 119) }
```

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

```
.background{ background-color: rgb(255,  
208, 119) }
```

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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