

# Converting Colors

$Y_{xy}(116.2840, 0.5060, 0.3614)$

Have a look what the booklet for  
Yxy(116.2840, 0.5060, 0.3614)  
contains.

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# Color

**Yxy(68.0877, 0.3935, 0.3880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCF96
RGB	255, 207, 150
RGB Percent	100%, 81%, 59%
CMY	0.0000, 0.1882, 0.4119
CMYK	0.00, 0.19, 0.41, 0.00
HSL	33°, 100%, 79%
HSV	33°, 41%, 100%
XYZ	69.0529, 68.0877, 38.3432
YIQ	214.8540, 46.9050, -7.5510

# Conversions

## Conversions Part 2

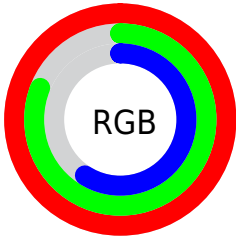
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	238, 255, 150
Decimal	16764822
CIE Lab	86.05, 9.62, 34.71
CIE LCh	86, 36.022, 74.518
Yxy	68.0877, 0.3935, 0.3880
Android (android.graphics.Color)	4294954902 (0xFFFFCF96)
YUV	214.8540, -31.9730, 35.2080
Hunter-Lab	82.5153, 4.9759, 30.2098

# Details

The Yxy color **68.0877, 0.3935, 0.3880** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **54.0638, 0.2452, 0.2609**, and the grayscale version is **68.0476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **35.4001, 0.4121, 0.4012** is the 20% darker color. If you saturate the color by 10%, you get **61.9188, 0.4183, 0.4016**, and if you desaturate by 10%, it is **74.8582, 0.3705, 0.3734**.

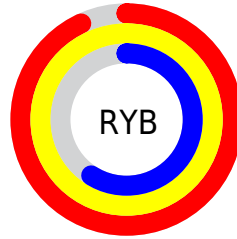
# Distribution



Red (100%)

Green (81%)

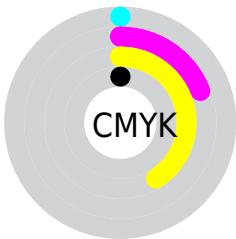
Blue (59%)



Red (93%)

Yellow (100%)

Blue (59%)

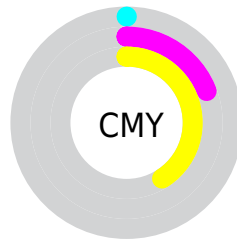


Cyan (0%)

Magenta (19%)

Yellow (41%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.0877, 0.3935, 0.3880 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 68.0877, 0.3935, 0.3880 by changing the saturation by 10% instead.




 68.0877, 0.3935,  
0.3880


 68.0877, 0.3935,  
0.3880


453.8067, 0.3559,  
0.3617

 49.9691, 0.4020,  
0.3936

 116.4776, 0.3805,  
0.3791

 35.3888, 0.4124,  
0.4003


 147.5177, 0.3754,  
0.3756

 23.9626, 0.4253,  
0.4084


183.6337, 0.3710,  
0.3725

 15.3058, 0.4417,  
0.4180

225.2100, 0.3672,  
0.3698

 9.0343, 0.4629,  
0.4294

272.6311, 0.3639,  
0.3674

 4.7636, 0.4912,  
0.4426

326.2813, 0.3609,

 2.1092, 0.5377,

0.3653

0.4623

386.5450, 0.3582,  
0.3634

0.6698, 0.5655,  
0.4345

0.0000, 0.0000,  
0.0000

68.0877, 0.3935,  
0.3880

68.0877, 0.3935,  
0.3880

61.9188, 0.4183,  
0.4016

74.8582, 0.3705,  
0.3734

56.3212, 0.4442,  
0.4130

82.2400, 0.3496,  
0.3587

51.2758, 0.4699,  
0.4211

90.2545, 0.3310,  
0.3443

46.7580, 0.4941,  
0.4246

98.9189, 0.3145,  
0.3306

■ 42.7398, 0.5152,  
0.4226

99.9980, 0.3127,  
0.3290

■ 39.5794, 0.5307,  
0.4168

# Harmonies

## Analogous

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



68.0877, 0.4009, 0.3558



68.0877, 0.3935, 0.3880



68.0877, 0.3639, 0.4074

# Triad

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



68.0877, 0.3935, 0.3880



68.0877, 0.2467, 0.3325



68.0877, 0.2987, 0.2658

# Complementary

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



68.0877, 0.3935, 0.3880



54.0638, 0.2452, 0.2609

# 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.



68.0877, 0.2601, 0.2575



68.0877, 0.3935, 0.3880



68.0877, 0.2319, 0.2922

# Square

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



68.0877, 0.3935, 0.3880



68.0877, 0.2789, 0.3756



68.0877, 0.2367, 0.2661



68.0877, 0.3439, 0.2881



# Rectangle

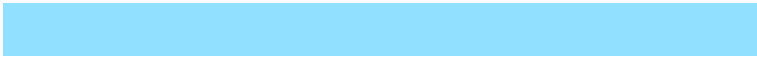
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.0877, 0.3935, 0.3880



68.0877, 0.3364, 0.4082



68.0877, 0.2367, 0.2661



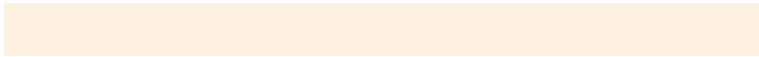
68.0877, 0.2846, 0.2613

# Sweetspot

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



68.0909, 0.3935, 0.3880



89.5866, 0.3324, 0.3454



47.1834, 0.3685, 0.2784



18.9448, 0.3347, 0.3473



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.



68.0909, 0.3935, 0.3880



63.2242, 0.4128, 0.3987



94.3142, 0.3721, 0.4320



19.6221, 0.3281, 0.3419



20.9855, 0.5284, 0.4186

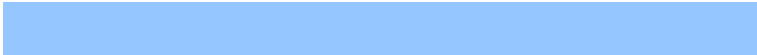


2.2619, 0.5125, 0.4312

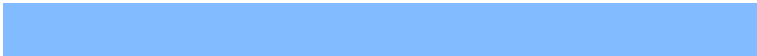


# Inverse Universe

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



54.0638, 0.2452, 0.2609



47.5660, 0.2322, 0.2451



35.8404, 0.2379, 0.2021



18.7449, 0.2979, 0.3157



10.6489, 0.1731, 0.1433



1.2521, 0.1791, 0.1648



# Previews

## White Background



This preview shows how the Yxy color 68.0877, 0.3935, 0.3880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

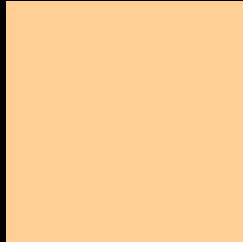
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.0877, 0.3935, 0.3880 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 68.0877, 0.3935, 0.3880**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.0877, 0.3935, 0.3880.



This preview shows how white text looks on a background with the Yxy color 68.0877, 0.3935, 0.3880.

# 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

68.0877, 0.3935, 0.3880

### Protanopia

68.0566, 0.3697, 0.3972

### Deuteranopia

68.2187, 0.3905, 0.3839



## Tritanopia

67.8883, 0.3455, 0.3158

# Trichromacy



**Original Color**

68.0877, 0.3935, 0.3880

**Protanomaly**

67.8792, 0.3779, 0.3937

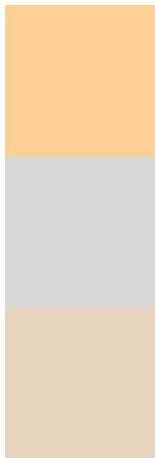
**Deuteranomaly**

68.1856, 0.3912, 0.3849

**Tritanomaly**

67.7335, 0.3631, 0.3416

# Monochromacy



**Original Color**

68.0877, 0.3935, 0.3880

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

67.6715, 0.3413, 0.3522

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.0877, 0.3935, 0.3880 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, 207, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 150)  
}
```

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, 207, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 68.0877, 0.3935, 0.3880 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, 207, 150) }
```

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

```
.border{ border-color:rgb(255, 207, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.0877, 0.3935, 0.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 150) }
```

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

```
.background{ background-color: rgb(255,  
207, 150) }
```

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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