

# Converting Colors

$Yxy(65.3820, 0.3836, 0.3644)$

Have a look what the booklet for  
Yxy(65.3820, 0.3836, 0.3644)  
contains.

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# Color

**Yxy(65.3217, 0.3839, 0.3646)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFC8A6
RGB	255, 200, 166
RGB Percent	100%, 78%, 65%
CMY	0.0000, 0.2157, 0.3490
CMYK	0.00, 0.22, 0.35, 0.00
HSL	23°, 100%, 83%
HSV	23°, 35%, 100%
XYZ	68.7795, 65.3217, 45.0587
YIQ	212.5690, 43.6940, 1.0860

# Conversions

## Conversions Part 2

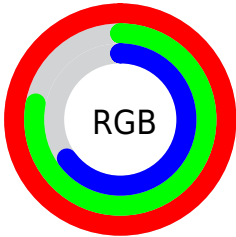
Format	Color
R <sub>Y</sub> B	255, 221, 166
Decimal	16763046
CIE Lab	84.65, 15.06, 24.49
CIE LCh	85, 28.753, 58.413
Yxy	65.3217, 0.3839, 0.3646
Android (android.graphics.Color)	4294953126 (0xFFFFC8A6)
YUV	212.5690, -22.9585, 37.2120
Hunter-Lab	80.8218, 10.4655, 23.5207

# Details

The Yxy color **65.3217, 0.3839, 0.3646** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **67.0382, 0.2581, 0.2901**, and the grayscale version is **66.3712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **33.6430, 0.4016, 0.3718** is the 20% darker color. If you saturate the color by 10%, you get **57.5512, 0.4116, 0.3748**, and if you desaturate by 10%, it is **74.0327, 0.3596, 0.3540**.

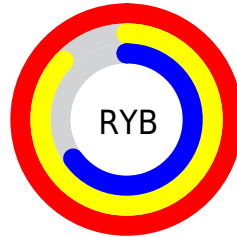
# Distribution



Red (100%)

Green (78%)

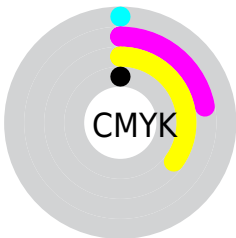
Blue (65%)



Red (100%)

Yellow (87%)

Blue (65%)

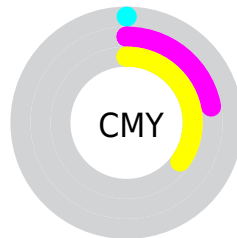


Cyan (0%)

Magenta (22%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3217, 0.3839, 0.3646 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 65.3217, 0.3839, 0.3646 by changing the saturation by 10% instead.



 65.3217, 0.3839,  
0.3646


 65.3217, 0.3839,  
0.3646


443.9471, 0.3501,  
0.3488

 47.7220, 0.3918,  
0.3680

 112.5122, 0.3720,  
0.3593

 33.6068, 0.4015,  
0.3720


 142.8718, 0.3675,  
0.3572

 22.5917, 0.4140,  
0.3768


178.2535, 0.3635,  
0.3553

 14.2923, 0.4303,  
0.3827

219.0417, 0.3601,  
0.3537

 8.3242, 0.4524,  
0.3896

265.6208, 0.3572,  
0.3523

 4.3031, 0.4836,  
0.3973

318.3751, 0.3545,

 1.8445, 0.5608,

0.3510

0.4268

377.6891, 0.3522,  
0.3499

0.5147, 0.6248,  
0.3752

0.0000, 0.0000,  
0.0000

65.3217, 0.3839,  
0.3646

65.3217, 0.3839,  
0.3646

57.5512, 0.4116,  
0.3748

74.0327, 0.3596,  
0.3540

50.6835, 0.4425,  
0.3839

83.7120, 0.3385,  
0.3436

44.6840, 0.4756,  
0.3905

94.3911, 0.3205,  
0.3336

39.5137, 0.5090,  
0.3935

100.0000, 0.3127,  
0.3290

■ 35.1303, 0.5403,  
0.3917

■ 31.4857, 0.5666,  
0.3844

■ 29.8881, 0.5780,  
0.3792

# Harmonies

## Analogous

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



65.3217, 0.3783, 0.3358



65.3217, 0.3839, 0.3646



65.3217, 0.3693, 0.3864

# Triad

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



65.3217, 0.3839, 0.3646



65.3217, 0.2717, 0.3512



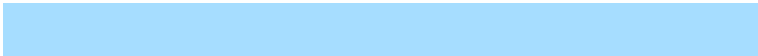
65.3217, 0.2834, 0.2717

# Complementary

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



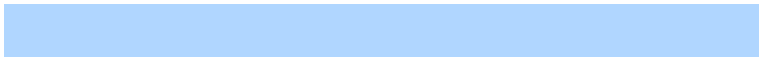
65.3217, 0.3839, 0.3646



67.0382, 0.2581, 0.2901

# 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.



65.3217, 0.2576, 0.2725



65.3217, 0.3839, 0.3646



65.3217, 0.2511, 0.3164

# Square

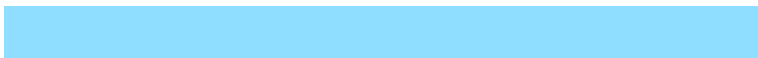
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.3217, 0.3839, 0.3646



65.3217, 0.3038, 0.3806



65.3217, 0.2462, 0.2879



65.3217, 0.3185, 0.2842



# Rectangle

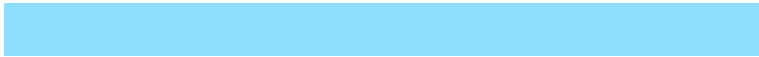
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.3217, 0.3839, 0.3646



65.3217, 0.3507, 0.3931



65.3217, 0.2462, 0.2879



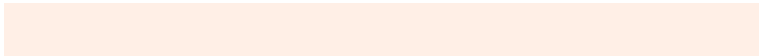
65.3217, 0.2735, 0.2704

# Sweetspot

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



65.3231, 0.3839, 0.3646



88.8202, 0.3294, 0.3386



53.8259, 0.3438, 0.2717



18.6924, 0.3319, 0.3400



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.



65.3231, 0.3839, 0.3646



59.7120, 0.4032, 0.3720



88.1942, 0.3692, 0.4059



19.1246, 0.3285, 0.3381



15.8829, 0.5751, 0.3816

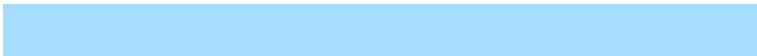


1.7497, 0.5538, 0.3984



# Inverse Universe

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



67.0382, 0.2581, 0.2901



61.6411, 0.2473, 0.2807



47.1146, 0.2510, 0.2381



19.2473, 0.2979, 0.3197



16.7723, 0.1885, 0.1984



1.8444, 0.1930, 0.2149



# Previews

## White Background



This preview shows how the Yxy color 65.3217, 0.3839, 0.3646 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 65.3217, 0.3839, 0.3646 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

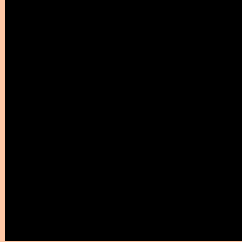
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.3217, 0.3839, 0.3646**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.3217, 0.3839, 0.3646.



This preview shows how white text looks on a background with the Yxy color 65.3217, 0.3839, 0.3646.

# 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

65.3217, 0.3839, 0.3646

### Protanopia

65.3761, 0.3514, 0.3743

### Deuteranopia

65.3849, 0.3779, 0.3695



## Tritanopia

65.3433, 0.3503, 0.3158

# Trichromacy



**Original Color**

65.3217, 0.3839, 0.3646

**Protanomaly**

65.1524, 0.3629, 0.3709

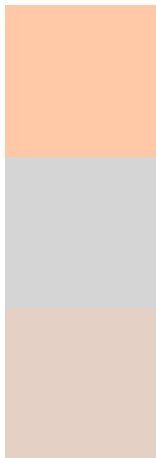
**Deuteranomaly**

65.4669, 0.3807, 0.3681

**Tritanomaly**

65.0428, 0.3630, 0.3333

# Monochromacy



**Original Color**

65.3217, 0.3839, 0.3646

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

65.5913, 0.3367, 0.3424

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.3217, 0.3839, 0.3646 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, 200, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 166)  
}
```

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, 200, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 65.3217, 0.3839, 0.3646 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, 200, 166) }
```

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

```
.border{ border-color:rgb(255, 200, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.3217, 0.3839, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 166) }
```

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

```
.background{ background-color: rgb(255,  
200, 166) }
```

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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