

# Converting Colors

$Yxy(65.6989, 0.3821, 0.3632)$

Have a look what the booklet for  
Yxy(65.6989, 0.3821, 0.3632)  
contains.

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# Color

**Yxy(65.8604, 0.3819, 0.3635)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC9A8
RGB	255, 201, 168
RGB Percent	100%, 79%, 66%
CMY	0.0000, 0.2117, 0.3410
CMYK	0.00, 0.21, 0.34, 0.00
HSL	23°, 100%, 83%
HSV	23°, 34%, 100%
XYZ	69.1942, 65.8604, 46.1295
YIQ	213.3840, 42.7770, 1.1850

# Conversions

## Conversions Part 2

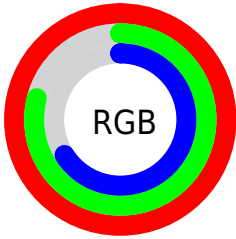
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 221, 168
Decimal	16763304
CIE <sub>Lab</sub>	84.93, 14.77, 23.80
CIE <sub>LCh</sub>	85, 28.009, 58.171
Yxy	65.8604, 0.3819, 0.3635
Android (android.graphics.Color)	4294953384 (0xFFFFC9A8)
YUV	213.3840, -22.3743, 36.4972
Hunter-Lab	81.1544, 10.1731, 23.1067

# Details

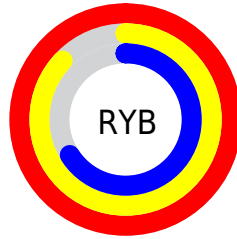
The Yxy color **65.8604, 0.3819, 0.3635** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **67.8015, 0.2593, 0.2914**, and the grayscale version is **66.9444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **33.9987, 0.3990, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **57.9994, 0.4095, 0.3737**, and if you desaturate by 10%, it is **74.6746, 0.3578, 0.3530**.

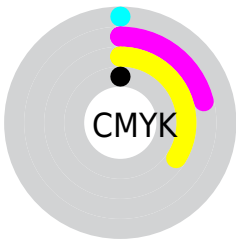
# Distribution



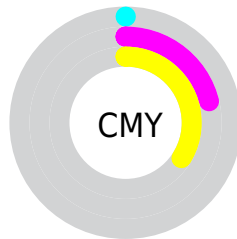
- Red (100%)
- Green (79%)
- Blue (66%)



- Red (100%)
- Yellow (87%)
- Blue (66%)



- Cyan (0%)
- Magenta (21%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.8604, 0.3819, 0.3635 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 65.8604, 0.3819, 0.3635 by changing the saturation by 10% instead.





 65.8604, 0.3819,  
0.3635

 65.8604, 0.3819,  
0.3635

445.8775, 0.3491,  
0.3482

 48.1591, 0.3895,  
0.3668


 113.2859, 0.3704,  
0.3584

 33.9529, 0.3990,  
0.3707


 143.7790, 0.3660,  
0.3563

 22.8574, 0.4111,  
0.3754


179.3047, 0.3621,  
0.3545

 14.4883, 0.4269,  
0.3811

220.2475, 0.3588,  
0.3529

 8.4610, 0.4484,  
0.3880

266.9918, 0.3559,  
0.3516

 4.3913, 0.4788,  
0.3958

319.9219, 0.3534,

 1.8948, 0.5487,

0.3503

0.4212

379.4224, 0.3511,  
0.3492

0.5452, 0.6173,  
0.3827

0.0000, 0.0000,  
0.0000

65.8604, 0.3819,  
0.3635

65.8604, 0.3819,  
0.3635

57.9994, 0.4095,  
0.3737

74.6746, 0.3578,  
0.3530

51.0485, 0.4402,  
0.3828

84.4647, 0.3370,  
0.3426

44.9746, 0.4733,  
0.3897

95.2643, 0.3192,  
0.3328

39.7388, 0.5069,  
0.3929

99.9979, 0.3127,  
0.3290

■ 35.2985, 0.5386,  
0.3914

■ 31.6058, 0.5655,  
0.3845

■ 29.7491, 0.5788,  
0.3786

# Harmonies

## Analogous

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



65.8604, 0.3763, 0.3355



65.8604, 0.3819, 0.3635



65.8604, 0.3679, 0.3847

# Triad

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



65.8604, 0.3819, 0.3635



65.8604, 0.2731, 0.3508



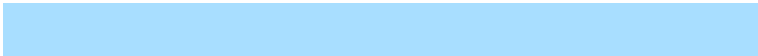
65.8604, 0.2840, 0.2731

# Complementary

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



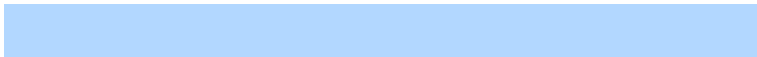
65.8604, 0.3819, 0.3635



67.8015, 0.2593, 0.2914

# 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.



65.8604, 0.2589, 0.2741



65.8604, 0.3819, 0.3635



65.8604, 0.2529, 0.3171

# Square

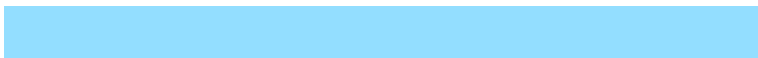
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.8604, 0.3819, 0.3635



65.8604, 0.3044, 0.3792



65.8604, 0.2479, 0.2893



65.8604, 0.3181, 0.2853



# Rectangle

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



65.8604, 0.3819, 0.3635



65.8604, 0.3499, 0.3912



65.8604, 0.2479, 0.2893



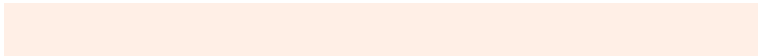
65.8604, 0.2743, 0.2719

# Sweetspot

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



65.8635, 0.3819, 0.3635



88.7771, 0.3294, 0.3386



54.6111, 0.3429, 0.2730



18.6820, 0.3319, 0.3399



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

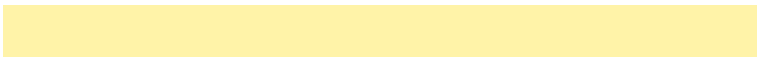
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.8635, 0.3819, 0.3635



60.3435, 0.4006, 0.3706



88.4246, 0.3678, 0.4041



19.1158, 0.3285, 0.3381



15.8106, 0.5759, 0.3810

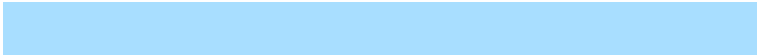


1.7420, 0.5546, 0.3978

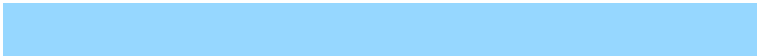


# Inverse Universe

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



67.8015, 0.2593, 0.2914



62.5300, 0.2489, 0.2824



48.0427, 0.2526, 0.2406



19.2564, 0.2979, 0.3198



16.9028, 0.1887, 0.1994



1.8566, 0.1933, 0.2158



# Previews

## White Background



This preview shows how the Yxy color 65.8604, 0.3819, 0.3635 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

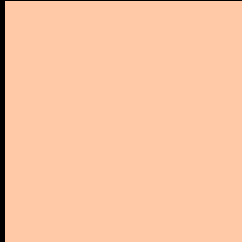
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.8604, 0.3819, 0.3635 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 65.8604, 0.3819, 0.3635**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.8604, 0.3819, 0.3635.



This preview shows how white text looks on a background with the Yxy color 65.8604, 0.3819, 0.3635.

# 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

65.8604, 0.3819, 0.3635

### Protanopia

66.1116, 0.3505, 0.3729

### Deuteranopia

65.9322, 0.3760, 0.3684



## Tritanopia

65.8456, 0.3493, 0.3158

# Trichromacy



**Original Color**

65.8604, 0.3819, 0.3635

**Protanomaly**

65.8849, 0.3619, 0.3697

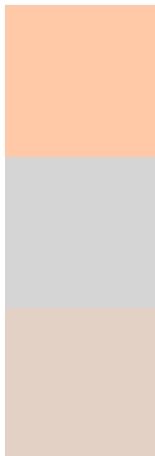
**Deuteranomaly**

66.0111, 0.3788, 0.3671

**Tritanomaly**

65.5883, 0.3611, 0.3323

# Monochromacy



**Original Color**

65.8604, 0.3819, 0.3635

**Achromatopsia**

66.5387, 0.3127, 0.3290

**Achromatomaly**

66.1261, 0.3358, 0.3423

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.8604, 0.3819, 0.3635 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, 201, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 168)  
}
```

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, 201, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 65.8604, 0.3819, 0.3635 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, 201, 168) }
```

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

```
.border{ border-color:rgb(255, 201, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.8604, 0.3819, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 168) }
```

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

```
.background{ background-color: rgb(255,  
201, 168) }
```

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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