

# Converting Colors

$Y_{xy}(65.6605, 0.3855, 0.3681)$

Have a look what the booklet for  
Yxy(65.6605, 0.3855, 0.3681)  
contains.

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# Color

**Yxy(65.7136, 0.3851, 0.3677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC9A4
RGB	255, 201, 164
RGB Percent	100%, 79%, 64%
CMY	0.0001, 0.2117, 0.3569
CMYK	0.00, 0.21, 0.36, 0.00
HSL	24°, 100%, 82%
HSV	24°, 36%, 100%
XYZ	68.8232, 65.7136, 44.1784
YIQ	212.9280, 44.0610, -0.0590

# Conversions

## Conversions Part 2

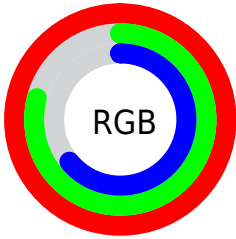
Format	Color
R <sub>Y</sub> B	255, 226, 164
Decimal	16763300
CIE Lab	84.85, 14.29, 25.82
CIE LCh	85, 29.508, 61.034
Yxy	65.7136, 0.3851, 0.3677
Android (android.graphics.Color)	4294953380 (0xFFFFC9A4)
YUV	212.9280, -24.1215, 36.8971
Hunter-Lab	81.0639, 9.6846, 24.4327

# Details

The Yxy color  $65.7136, 0.3851, 0.3677$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $65.2406, 0.2565, 0.2864$ , and the grayscale version is  $66.6324, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.8945, 0.3339, 0.3641$ , and  $33.9076, 0.4032, 0.3757$  is the 20% darker color. If you saturate the color by 10%, you get  $58.1768, 0.4125, 0.3785$ , and if you desaturate by 10%, it is  $74.1357, 0.3609, 0.3565$ .

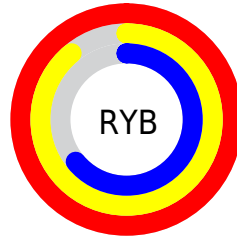
# Distribution



Red (100%)

Green (79%)

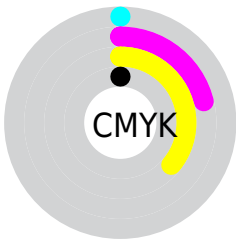
Blue (64%)



Red (100%)

Yellow (89%)

Blue (64%)

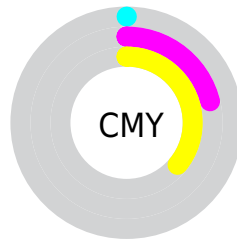


Cyan (0%)

Magenta (21%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (21%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7136, 0.3851, 0.3677 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 65.7136, 0.3851, 0.3677 by changing the saturation by 10% instead.




 65.7136, 0.3851,  
0.3677


 65.7136, 0.3851,  
0.3677

445.3519, 0.3508,  
0.3505

 48.0399, 0.3931,  
0.3714


 113.0752, 0.3731,  
0.3619

 33.8585, 0.4029,  
0.3758


 143.5319, 0.3684,  
0.3596

 22.7849, 0.4154,  
0.3810


179.0184, 0.3645,  
0.3576

 14.4348, 0.4318,  
0.3874

219.9191, 0.3610,  
0.3558

 8.4237, 0.4538,  
0.3951

266.6184, 0.3580,  
0.3543

 4.3672, 0.4847,  
0.4036

319.5007, 0.3553,

 1.8810, 0.5635,

0.3529

0.4365

378.9504, 0.3529,  
0.3516

0.5369, 0.6154,  
0.3846

0.0000, 0.0000,  
0.0000

65.7136, 0.3851,  
0.3677

65.7136, 0.3851,  
0.3677

58.1768, 0.4125,  
0.3785

74.1357, 0.3609,  
0.3565

51.4850, 0.4427,  
0.3880

83.4633, 0.3399,  
0.3453

45.6082, 0.4747,  
0.3950

93.7272, 0.3218,  
0.3347

40.5103, 0.5068,  
0.3982

99.9971, 0.3127,  
0.3290

■ 36.1521, 0.5366,  
0.3964

■ 32.4888, 0.5616,  
0.3891

■ 31.1026, 0.5710,  
0.3848

# Harmonies

## Analogous

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



65.7136, 0.3813, 0.3386



65.7136, 0.3851, 0.3677



65.7136, 0.3684, 0.3891

# Triad

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



65.7136, 0.3851, 0.3677



65.7136, 0.2683, 0.3486



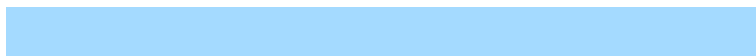
65.7136, 0.2856, 0.2710

# Complementary

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



65.7136, 0.3851, 0.3677



65.2406, 0.2565, 0.2864

# 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.



65.7136, 0.2581, 0.2705



65.7136, 0.3851, 0.3677



65.7136, 0.2486, 0.3130

# Square

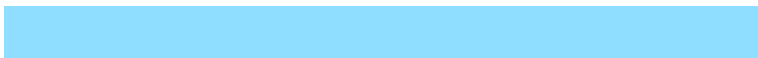
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.7136, 0.3851, 0.3677



65.7136, 0.3004, 0.3798



65.7136, 0.2450, 0.2850



65.7136, 0.3220, 0.2849



# Rectangle

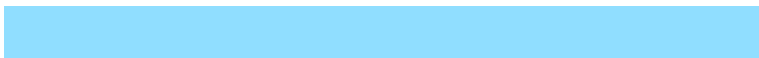
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.7136, 0.3851, 0.3677



65.7136, 0.3486, 0.3950



65.7136, 0.2450, 0.2850



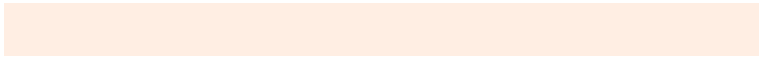
65.7136, 0.2751, 0.2692

# Sweetspot

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



65.7167, 0.3851, 0.3677



88.1625, 0.3311, 0.3403



52.9015, 0.3474, 0.2733



18.5753, 0.3336, 0.3417



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.



65.7167, 0.3851, 0.3677



60.1225, 0.4048, 0.3757



89.7799, 0.3695, 0.4103



19.2003, 0.3284, 0.3387



16.5291, 0.5681, 0.3871

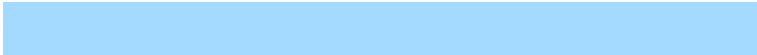


1.8175, 0.5475, 0.4035

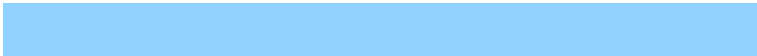


# Inverse Universe

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



65.2406, 0.2565, 0.2864



59.5602, 0.2453, 0.2760



45.0371, 0.2489, 0.2320



19.1694, 0.2979, 0.3191



15.6837, 0.1860, 0.1896



1.7419, 0.1909, 0.2071



# Previews

## White Background



This preview shows how the Yxy color 65.7136, 0.3851, 0.3677 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

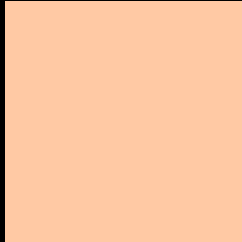
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.7136, 0.3851, 0.3677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

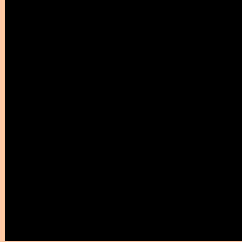
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.7136, 0.3851, 0.3677**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.7136, 0.3851, 0.3677.



This preview shows how white text looks on a background with the Yxy color 65.7136, 0.3851, 0.3677.

# 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

65.7136, 0.3851, 0.3677

### Protanopia

65.9591, 0.3534, 0.3775

### Deuteranopia

66.0058, 0.3791, 0.3715



## Tritanopia

65.8456, 0.3493, 0.3158

# Trichromacy



## Original Color

65.7136, 0.3851, 0.3677

## Protanomaly

65.7346, 0.3649, 0.3741

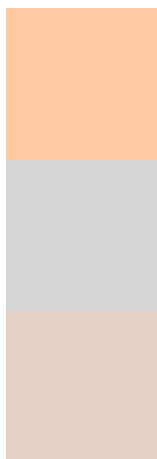
## Deuteranomaly

65.9014, 0.3811, 0.3702

## Tritanomaly

65.4984, 0.3627, 0.3343

# Monochromacy



## Original Color

65.7136, 0.3851, 0.3677

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.0350, 0.3373, 0.3446

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.7136, 0.3851, 0.3677 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 65.7136, 0.3851, 0.3677 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, 164) }
```

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

```
.border{ border-color:rgb(255, 201, 164) }
```

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, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.7136, 0.3851, 0.3677 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, 164) }
```

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

```
.background{ background-color: rgb(255,  
201, 164) }
```

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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