

# Converting Colors

$Y_{xy}(84.2118, 0.4385, 0.3494)$

Have a look what the booklet for  
Yxy(84.2118, 0.4385, 0.3494)  
contains.

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# Color

**Yxy(65.6637, 0.3767, 0.3552)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC8AF
RGB	255, 200, 175
RGB Percent	100%, 78%, 69%
CMY	0.0000, 0.2157, 0.3137
CMYK	0.00, 0.22, 0.31, 0.00
HSL	19°, 100%, 84%
HSV	19°, 31%, 100%
XYZ	69.6383, 65.6637, 49.5620
YIQ	213.5950, 40.8050, 3.8850

# Conversions

## Conversions Part 2

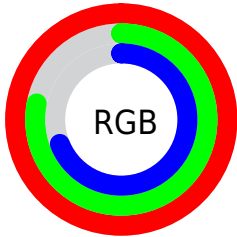
Format	Color
R <sub>Y</sub> B	255, 211, 175
Decimal	16763055
CIE Lab	84.82, 16.17, 19.99
CIE LCh	85, 25.706, 51.034
Yxy	65.6637, 0.3767, 0.3552
Android (android.graphics.Color)	4294953135 (0xFFFFC8AF)
YUV	213.5950, -19.0273, 36.3122
Hunter-Lab	81.0331, 11.5914, 20.4598

# Details

The Yxy color **65.6637, 0.3767, 0.3552** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **72.9310, 0.2643, 0.3010**, and the grayscale version is **67.0666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **33.8332, 0.3931, 0.3613** is the 20% darker color. If you saturate the color by 10%, you get **57.0925, 0.4048, 0.3638**, and if you desaturate by 10%, it is **75.3530, 0.3526, 0.3465**.

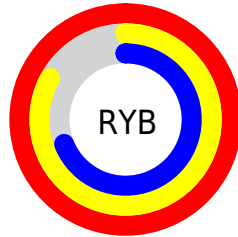
# Distribution



Red (100%)

Green (78%)

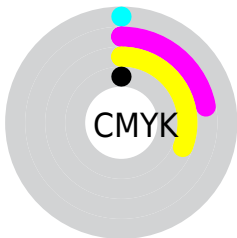
Blue (69%)



Red (100%)

Yellow (83%)

Blue (69%)

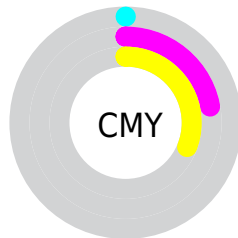


Cyan (0%)

Magenta (22%)

Yellow (31%)

Black (0%)



Cyan (0%)

Magenta (22%)

Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.6637, 0.3767, 0.3552 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 65.6637, 0.3767, 0.3552 by changing the saturation by 10% instead.




 65.6637, 0.3767,  
0.3552

 65.6637, 0.3767,  
0.3552

445.1732, 0.3463,  
0.3437

 47.9995, 0.3838,  
0.3577


 113.0035, 0.3660,  
0.3513

 33.8265, 0.3927,  
0.3606


143.4479, 0.3619,  
0.3498

 22.7603, 0.4040,  
0.3641


178.9211, 0.3584,  
0.3484

 14.4166, 0.4190,  
0.3684

219.8075, 0.3553,  
0.3473

 8.4110, 0.4395,  
0.3735

266.4915, 0.3526,  
0.3462

 4.3590, 0.4692,  
0.3792

319.3575, 0.3503,

 1.8764, 0.5262,

0.3453

0.3923

378.7900, 0.3482,  
0.3444

0.5341, 0.6285,  
0.3715

0.0000, 0.0000,  
0.0000

65.6637, 0.3767,  
0.3552

65.6637, 0.3767,  
0.3552

57.0925, 0.4048,  
0.3638

75.3530, 0.3526,  
0.3465

49.6010, 0.4369,  
0.3716

86.2037, 0.3321,  
0.3380

43.1431, 0.4722,  
0.3776

98.2522, 0.3149,  
0.3300

37.6708, 0.5092,  
0.3805

100.0000, 0.3127,  
0.3290

■ 33.1314, 0.5448,  
0.3793

■ 29.4665, 0.5756,  
0.3731

■ 26.9495, 0.5964,  
0.3646

# Harmonies

## Analogous

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



65.6637, 0.3672, 0.3288



65.6637, 0.3767, 0.3552



65.6637, 0.3680, 0.3766

# Triad

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



65.6637, 0.3767, 0.3552



65.6637, 0.2825, 0.3560



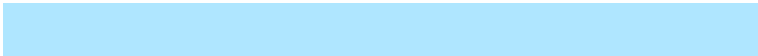
65.6637, 0.2799, 0.2765

# Complementary

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



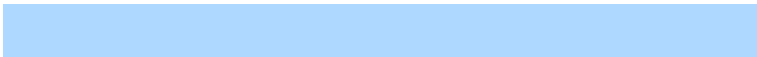
65.6637, 0.3767, 0.3552



72.9310, 0.2643, 0.3010

# 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.



65.6637, 0.2594, 0.2806



65.6637, 0.3767, 0.3552



65.6637, 0.2608, 0.3254

# Square

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



65.6637, 0.3767, 0.3552



65.6637, 0.3129, 0.3791



65.6637, 0.2527, 0.2978



65.6637, 0.3099, 0.2849



# Rectangle

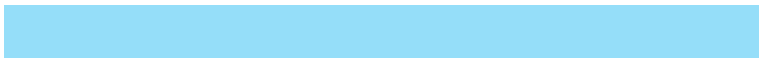
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65.6637, 0.3767, 0.3552



65.6637, 0.3535, 0.3848



65.6637, 0.2527, 0.2978



65.6637, 0.2717, 0.2764

# Sweetspot

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



65.6625, 0.3767, 0.3552



88.9513, 0.3277, 0.3361



57.6906, 0.3354, 0.2725



18.6767, 0.3304, 0.3373



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.



65.6625, 0.3767, 0.3552



59.8592, 0.3949, 0.3609



86.0886, 0.3648, 0.3933



18.9129, 0.3287, 0.3365



14.3149, 0.5935, 0.3670

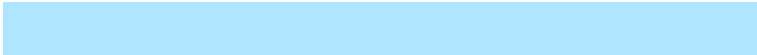


1.5791, 0.5714, 0.3845

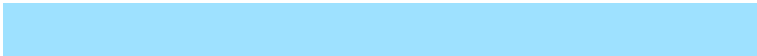


# Inverse Universe

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



72.9310, 0.2643, 0.3010



68.2007, 0.2545, 0.2941



53.5968, 0.2588, 0.2552



19.4677, 0.2980, 0.3214



20.1386, 0.1954, 0.2234



2.1562, 0.1991, 0.2369



# Previews

## White Background



This preview shows how the Yxy color 65.6637, 0.3767, 0.3552 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

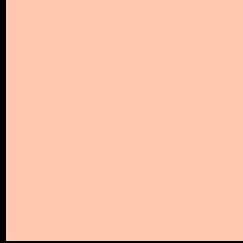
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.6637, 0.3767, 0.3552 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

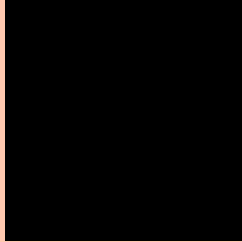
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 65.6637, 0.3767, 0.3552**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.6637, 0.3767, 0.3552.



This preview shows how white text looks on a background with the Yxy color 65.6637, 0.3767, 0.3552.

# 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

65.6637, 0.3767, 0.3552

### Protanopia

66.1111, 0.3431, 0.3640

### Deuteranopia

65.8346, 0.3689, 0.3612



## Tritanopia

65.8456, 0.3493, 0.3158

# Trichromacy



## Original Color

65.6637, 0.3767, 0.3552

## Protanomaly

66.0286, 0.3550, 0.3609

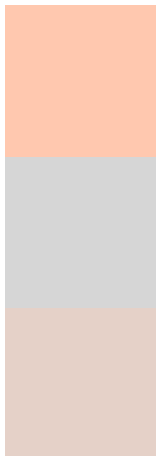
## Deuteranomaly

65.9076, 0.3716, 0.3599

## Tritanomaly

65.6794, 0.3595, 0.3302

# Monochromacy



## Original Color

65.6637, 0.3767, 0.3552

## Achromatopsia

67.2443, 0.3127, 0.3290

## Achromatomaly

66.4291, 0.3344, 0.3390

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.6637, 0.3767, 0.3552 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 65.6637, 0.3767, 0.3552 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, 175) }
```

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

```
.border{ border-color:rgb(255, 200, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.6637, 0.3767, 0.3552 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, 175) }
```

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

```
.background{ background-color: rgb(255,  
200, 175) }
```

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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