

# Converting Colors

$Y_{xy}(67.7509, 0.3739, 0.3579)$

Have a look what the booklet for  
Yxy(67.7509, 0.3739, 0.3579)  
contains.

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# Color

**Yxy(67.6201, 0.3738, 0.3572)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCCB1
RGB	255, 204, 177
RGB Percent	100%, 80%, 69%
CMY	0.0001, 0.1999, 0.3058
CMYK	0.00, 0.20, 0.31, 0.00
HSL	21°, 100%, 85%
HSV	21°, 31%, 100%
XYZ	70.7626, 67.6201, 50.9233
YIQ	216.1710, 39.0630, 2.4150

# Conversions

## Conversions Part 2

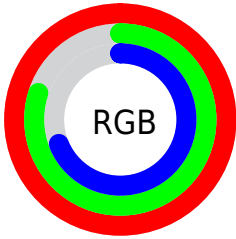
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 218, 177
Decimal	16764081
CIE Lab	85.82, 14.30, 20.30
CIE LCh	86, 24.834, 54.830
Yxy	67.6201, 0.3738, 0.3572
Android (android.graphics.Color)	4294954161 (0xFFFFCCB1)
YUV	216.1710, -19.3113, 34.0530
Hunter-Lab	82.2314, 9.6995, 20.8456

# Details

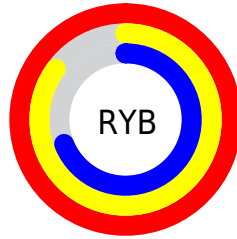
The Yxy color **67.6201, 0.3738, 0.3572** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **72.0382, 0.2651, 0.2988**, and the grayscale version is **68.9074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6632, 0.3256, 0.3503**, and **35.1382, 0.3890, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **59.1955, 0.4009, 0.3667**, and if you desaturate by 10%, it is **77.0888, 0.3504, 0.3476**.

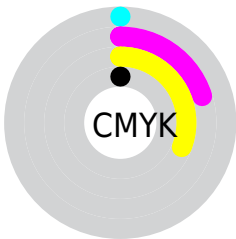
# Distribution



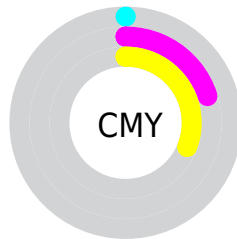
- Red (100%)
- Green (80%)
- Blue (69%)



- Red (100%)
- Yellow (85%)
- Blue (69%)



- Cyan (0%)
- Magenta (20%)
- Yellow (31%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6201, 0.3738, 0.3572 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 67.6201, 0.3738, 0.3572 by changing the saturation by 10% instead.




 67.6201, 0.3738,  
0.3572

 67.6201, 0.3738,  
0.3572

452.1488, 0.3449,  
0.3447

 49.5887, 0.3805,  
0.3599


 115.8085, 0.3637,  
0.3530

 35.0867, 0.3888,  
0.3631


146.7343, 0.3598,  
0.3513

 23.7297, 0.3995,  
0.3670

182.7271, 0.3564,  
0.3499

 15.1332, 0.4134,  
0.3718

224.1712, 0.3535,  
0.3486

 8.9129, 0.4325,  
0.3777

271.4510, 0.3510,  
0.3474

 4.6844, 0.4599,  
0.3848

324.9510, 0.3487,

 2.0633, 0.5087,

0.3464

0.3974

385.0554, 0.3467,  
0.3455

0.6439, 0.6003,  
0.3997

0.0000, 0.0000,  
0.0000

67.6201, 0.3738,  
0.3572

67.6201, 0.3738,  
0.3572

59.1955, 0.4009,  
0.3667

77.0888, 0.3504,  
0.3476

51.7684, 0.4316,  
0.3755

87.6272, 0.3305,  
0.3383

45.3023, 0.4653,  
0.3825

99.2719, 0.3136,  
0.3295

39.7548, 0.5006,  
0.3864

99.9952, 0.3127,  
0.3290

■ 35.0797, 0.5349,  
0.3861

■ 31.2257, 0.5651,  
0.3807

■ 28.2861, 0.5877,  
0.3715

# Harmonies

## Analogous

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



67.6201, 0.3669, 0.3322



67.6201, 0.3738, 0.3572



67.6201, 0.3634, 0.3766

# Triad

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



67.6201, 0.3738, 0.3572



67.6201, 0.2806, 0.3513



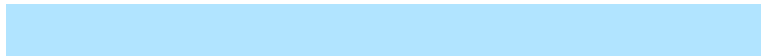
67.6201, 0.2845, 0.2790

# Complementary

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



67.6201, 0.3738, 0.3572



72.0382, 0.2651, 0.2988

# 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.



67.6201, 0.2634, 0.2815



67.6201, 0.3738, 0.3572



67.6201, 0.2612, 0.3220

# Square

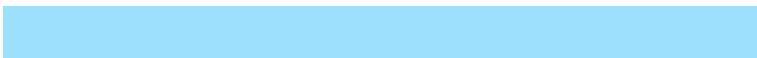
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6201, 0.3738, 0.3572



67.6201, 0.3090, 0.3748



67.6201, 0.2552, 0.2965



67.6201, 0.3141, 0.2885



# Rectangle

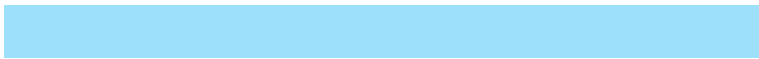
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.6201, 0.3738, 0.3572



67.6201, 0.3485, 0.3831



67.6201, 0.2552, 0.2965



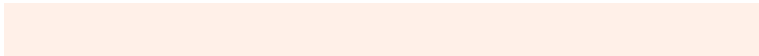
67.6201, 0.2763, 0.2784

# Sweetspot

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



67.6232, 0.3738, 0.3572



89.4086, 0.3277, 0.3368



58.3610, 0.3368, 0.2765



18.7889, 0.3303, 0.3381



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.



67.6232, 0.3738, 0.3572



62.1065, 0.3907, 0.3634



87.9229, 0.3626, 0.3940



19.0158, 0.3286, 0.3373



15.0335, 0.5847, 0.3739

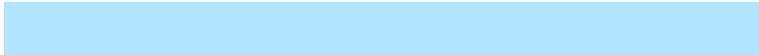


1.6585, 0.5629, 0.3912

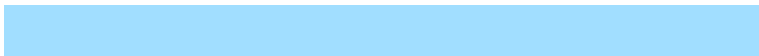


# Inverse Universe

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



72.0382, 0.2651, 0.2988



67.1739, 0.2554, 0.2914



53.3968, 0.2600, 0.2543



19.3600, 0.2980, 0.3206



18.4420, 0.1920, 0.2112



1.9999, 0.1962, 0.2262



# Previews

## White Background



This preview shows how the Yxy color 67.6201, 0.3738, 0.3572 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 67.6201, 0.3738, 0.3572 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 67.6201, 0.3738, 0.3572**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.6201, 0.3738, 0.3572.

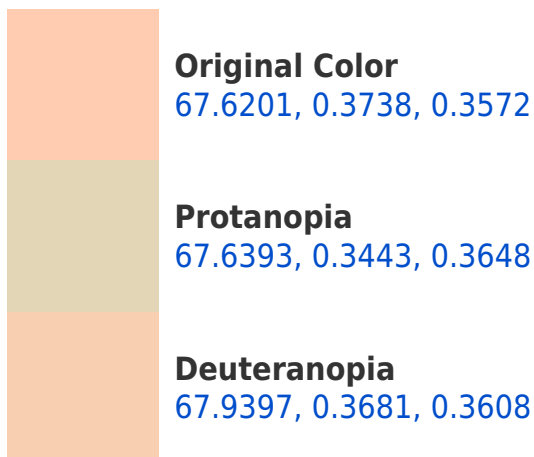


This preview shows how white text looks on a background with the Yxy color 67.6201, 0.3738, 0.3572.

# 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





## Tritanopia

67.4236, 0.3456, 0.3148

# Trichromacy



**Original Color**

67.6201, 0.3738, 0.3572

**Protanomaly**

67.3930, 0.3554, 0.3617

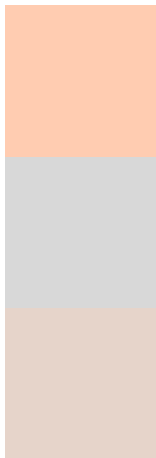
**Deuteranomaly**

67.8262, 0.3700, 0.3596

**Tritanomaly**

67.2503, 0.3556, 0.3291

# Monochromacy



**Original Color**

67.6201, 0.3738, 0.3572

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

68.1742, 0.3333, 0.3400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6201, 0.3738, 0.3572 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, 204, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 177)  
}
```

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, 204, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6201, 0.3738, 0.3572 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, 204, 177) }
```

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

```
.border{ border-color:rgb(255, 204, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6201, 0.3738, 0.3572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 177) }
```

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

```
.background{ background-color: rgb(255,  
204, 177) }
```

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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