

# Converting Colors

$Y_{xy}(68.3960, 0.3664, 0.3485)$

Have a look what the booklet for  
Yxy(68.3960, 0.3664, 0.3485)  
contains.

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# Color

**Yxy(68.4678, 0.3665, 0.3488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCDBA
RGB	255, 205, 186
RGB Percent	100%, 80%, 73%
CMY	0.0000, 0.1961, 0.2705
CMYK	0.00, 0.20, 0.27, 0.00
HSL	17°, 100%, 86%
HSV	17°, 27%, 100%
XYZ	71.9422, 68.4678, 55.8853
YIQ	217.7840, 35.8990, 4.6910

# Conversions

## Conversions Part 2

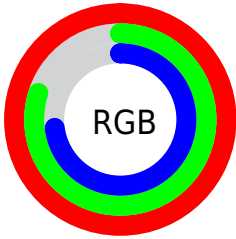
Format	Color
R <sub>Y</sub> B	255, 212, 186
Decimal	16764346
CIE Lab	86.24, 14.98, 16.14
CIE LCh	86, 22.025, 47.138
Yxy	68.4678, 0.3665, 0.3488
Android (android.graphics.Color)	4294954426 (0xFFFFCDBA)
YUV	217.7840, -15.6695, 32.6384
Hunter-Lab	82.7453, 10.3912, 17.8779

# Details

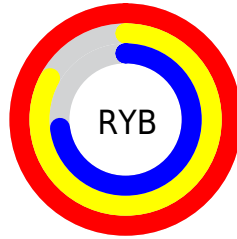
The Yxy color **68.4678, 0.3665, 0.3488** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **77.6628, 0.2711, 0.3082**, and the grayscale version is **70.0440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **35.6970, 0.3792, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **59.1497, 0.3936, 0.3565**, and if you desaturate by 10%, it is **79.0207, 0.3436, 0.3412**.

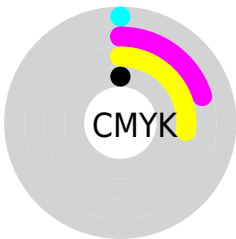
# Distribution



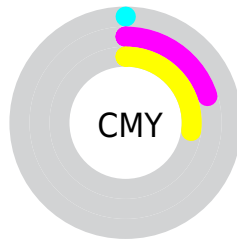
- Red (100%)
- Green (80%)
- Blue (73%)



- Red (100%)
- Yellow (83%)
- Blue (73%)



- Cyan (0%)
- Magenta (20%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.4678, 0.3665, 0.3488 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 68.4678, 0.3665, 0.3488 by changing the saturation by 10% instead.




 68.4678, 0.3665,  
0.3488

 68.4678, 0.3665,  
0.3488


455.1517, 0.3411,  
0.3401

 50.2784, 0.3724,  
0.3507


 117.0211, 0.3576,  
0.3459

 35.6347, 0.3798,  
0.3529


148.1538, 0.3542,  
0.3447

 24.1522, 0.3891,  
0.3556


184.3698, 0.3512,  
0.3437

 15.4465, 0.4015,  
0.3589

226.0533, 0.3487,  
0.3428

 9.1334, 0.4185,  
0.3630

273.5889, 0.3464,  
0.3420

 4.8283, 0.4433,  
0.3679

327.3609, 0.3444,

 2.1469, 0.4825,

0.3413

0.3734

387.7537, 0.3427,  
0.3407

0.6908, 0.5998,  
0.4002

0.0000, 0.0000,  
0.0000

68.4678, 0.3665,  
0.3488

68.4678, 0.3665,  
0.3488

59.1497, 0.3936,  
0.3565

79.0207, 0.3436,  
0.3412

51.0251, 0.4250,  
0.3637

90.8574, 0.3243,  
0.3339

44.0425, 0.4605,  
0.3697

100.0000, 0.3127,  
0.3290

38.1490, 0.4988,  
0.3733

■ 33.2866, 0.5371,  
0.3734

■ 29.3917, 0.5717,  
0.3691

■ 26.3915, 0.5986,  
0.3604

■ 25.6605, 0.6053,  
0.3576

# Harmonies

## Analogous

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



68.4678, 0.3566, 0.3261



68.4678, 0.3665, 0.3488



68.4678, 0.3612, 0.3677

# Triad

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



68.4678, 0.3665, 0.3488



68.4678, 0.2903, 0.3548



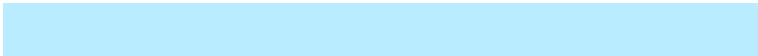
68.4678, 0.2821, 0.2841

# Complementary

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



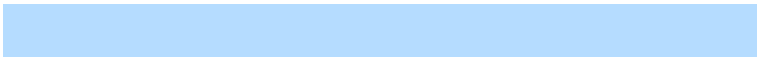
68.4678, 0.3665, 0.3488



77.6628, 0.2711, 0.3082

# 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.



68.4678, 0.2659, 0.2893



68.4678, 0.3665, 0.3488



68.4678, 0.2705, 0.3296

# Square

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



68.4678, 0.3665, 0.3488



68.4678, 0.3166, 0.3726



68.4678, 0.2618, 0.3055



68.4678, 0.3069, 0.2899



# Rectangle

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



68.4678, 0.3665, 0.3488



68.4678, 0.3501, 0.3753



68.4678, 0.2618, 0.3055



68.4678, 0.2755, 0.2845

# Sweetspot

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



68.4661, 0.3665, 0.3488



89.6807, 0.3260, 0.3345



62.4751, 0.3298, 0.2783



18.8003, 0.3287, 0.3356



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.



68.4661, 0.3665, 0.3488



63.7056, 0.3793, 0.3526



86.4822, 0.3577, 0.3821



18.8003, 0.3287, 0.3356



13.6206, 0.6025, 0.3598

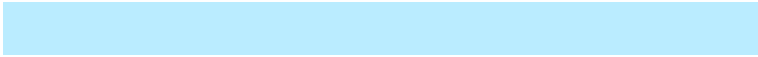


1.4995, 0.5805, 0.3773

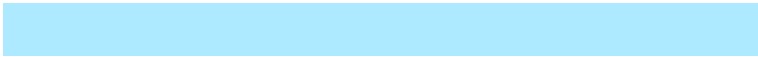


# Inverse Universe

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



77.6628, 0.2711, 0.3082



74.1724, 0.2638, 0.3039



59.9540, 0.2672, 0.2695



19.5866, 0.2980, 0.3223



22.1306, 0.1991, 0.2368



2.3377, 0.2024, 0.2486



# Previews

## White Background



This preview shows how the Yxy color 68.4678, 0.3665, 0.3488 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

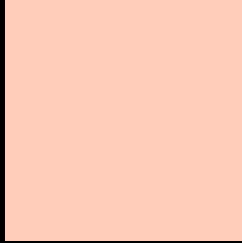
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.4678, 0.3665, 0.3488 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 68.4678, 0.3665, 0.3488**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.4678, 0.3665, 0.3488.



This preview shows how white text looks on a background with the Yxy color 68.4678, 0.3665, 0.3488.

# 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

68.4678, 0.3665, 0.3488

### Protanopia

68.5312, 0.3377, 0.3557

### Deuteranopia

68.5710, 0.3609, 0.3534



## Tritanopia

68.4589, 0.3438, 0.3148

# Trichromacy



## Original Color

68.4678, 0.3665, 0.3488

## Protanomaly

68.2672, 0.3485, 0.3529

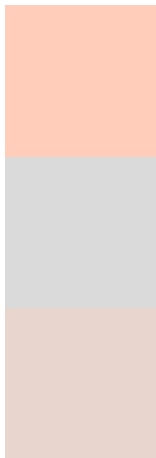
## Deuteranomaly

68.6377, 0.3635, 0.3522

## Tritanomaly

68.3796, 0.3521, 0.3271

# Monochromacy



## Original Color

68.4678, 0.3665, 0.3488

## Achromatopsia

70.1102, 0.3127, 0.3290

## Achromatomaly

69.0337, 0.3311, 0.3366

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.4678, 0.3665, 0.3488 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, 205, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 186)  
}
```

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, 205, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 68.4678, 0.3665, 0.3488 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, 205, 186) }
```

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

```
.border{ border-color:rgb(255, 205, 186) }
```

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

Here you see how a box with a 4 pixel rgb(255, 205, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.4678, 0.3665, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 186) }
```

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

```
.background{ background-color: rgb(255,  
205, 186) }
```

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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