

# Converting Colors

Yxy(116.2015, 0.4878, 0.3461)

Have a look what the booklet for  
Yxy(116.2015, 0.4878, 0.3461)  
contains.

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# Color

**Yxy(68.6170, 0.3724, 0.3582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCEB2
RGB	255, 206, 178
RGB Percent	100%, 81%, 70%
CMY	0.0001, 0.1921, 0.3019
CMYK	0.00, 0.19, 0.30, 0.00
HSL	22°, 100%, 85%
HSV	22°, 30%, 100%
XYZ	71.3372, 68.6170, 51.6064
YIQ	217.4590, 38.1920, 1.6800

# Conversions

## Conversions Part 2

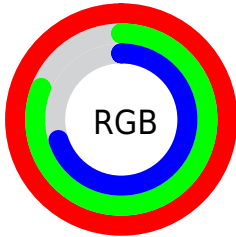
Format	Color
R <sub>Y</sub> B	255, 222, 178
Decimal	16764594
CIE Lab	86.31, 13.38, 20.47
CIE LCh	86, 24.454, 56.824
Yxy	68.6170, 0.3724, 0.3582
Android (android.graphics.Color)	4294954674 (0xFFFFCEB2)
YUV	217.4590, -19.4533, 32.9235
Hunter-Lab	82.8354, 8.7608, 21.0471

# Details

The Yxy color **68.6170, 0.3724, 0.3582** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **71.5926, 0.2656, 0.2977**, and the grayscale version is **69.8362, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **35.8075, 0.3870, 0.3651** is the 20% darker color. If you saturate the color by 10%, you get **60.2797, 0.3989, 0.3682**, and if you desaturate by 10%, it is **77.9565, 0.3494, 0.3481**.

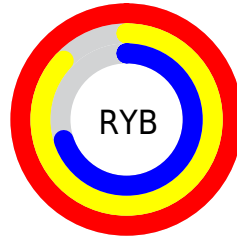
# Distribution



Red (100%)

Green (81%)

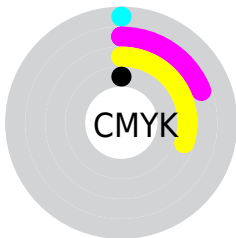
Blue (70%)



Red (100%)

Yellow (87%)

Blue (70%)

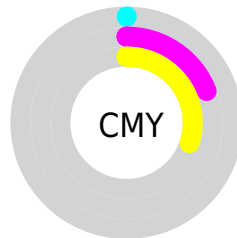


Cyan (0%)

Magenta (19%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (19%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6170, 0.3724, 0.3582 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 68.6170, 0.3724, 0.3582 by changing the saturation by 10% instead.




 68.6170, 0.3724,  
0.3582

 68.6170, 0.3724,  
0.3582

455.6790, 0.3443,  
0.3452

 50.3999, 0.3789,  
0.3610


 117.2344, 0.3626,  
0.3538

 35.7312, 0.3870,  
0.3644


148.4034, 0.3588,  
0.3521

 24.2267, 0.3973,  
0.3685


184.6585, 0.3555,  
0.3506

 15.5019, 0.4108,  
0.3735

226.3841, 0.3527,  
0.3492

 9.1724, 0.4291,  
0.3798

273.9645, 0.3502,  
0.3481

 4.8538, 0.4554,  
0.3875

327.7842, 0.3480,

 2.1617, 0.5008,

0.3470

0.4001

388.2276, 0.3460,  
0.3461

0.6990, 0.5886,  
0.4114

0.0000, 0.0000,  
0.0000

68.6170, 0.3724,  
0.3582

68.6170, 0.3724,  
0.3582

60.2797, 0.3989,  
0.3682

77.9565, 0.3494,  
0.3481

52.9001, 0.4290,  
0.3775

88.3215, 0.3297,  
0.3384

46.4444, 0.4619,  
0.3850

99.7467, 0.3130,  
0.3292

40.8727, 0.4963,  
0.3895

99.9928, 0.3127,  
0.3290

■ 36.1417, 0.5298,  
0.3897

■ 32.2036, 0.5595,  
0.3847

■ 29.0492, 0.5830,  
0.3753

# Harmonies

## Analogous

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



68.6170, 0.3668, 0.3338



68.6170, 0.3724, 0.3582



68.6170, 0.3612, 0.3766

# Triad

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



68.6170, 0.3724, 0.3582



68.6170, 0.2796, 0.3490



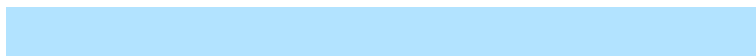
68.6170, 0.2868, 0.2802

# Complementary

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



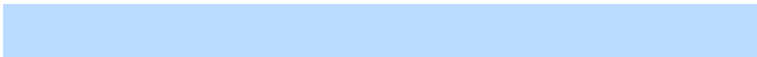
68.6170, 0.3724, 0.3582



71.5926, 0.2656, 0.2977

# 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.



68.6170, 0.2654, 0.2818



68.6170, 0.3724, 0.3582



68.6170, 0.2614, 0.3203

# Square

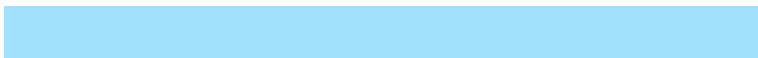
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6170, 0.3724, 0.3582



68.6170, 0.3071, 0.3726



68.6170, 0.2564, 0.2959



68.6170, 0.3161, 0.2903



# Rectangle

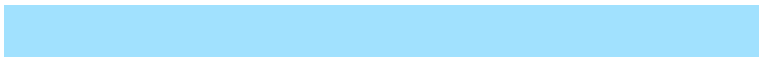
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6170, 0.3724, 0.3582



68.6170, 0.3461, 0.3823



68.6170, 0.2564, 0.2959



68.6170, 0.2785, 0.2794

# Sweetspot

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



68.6202, 0.3724, 0.3582



89.6477, 0.3276, 0.3372



58.6991, 0.3375, 0.2784



18.8475, 0.3302, 0.3386



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.



68.6202, 0.3724, 0.3582



63.6711, 0.3874, 0.3641



88.8195, 0.3616, 0.3943



19.0696, 0.3285, 0.3377



15.4420, 0.5800, 0.3777

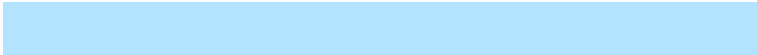


1.7027, 0.5585, 0.3948

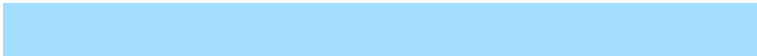


# Inverse Universe

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



71.5926, 0.2656, 0.2977



67.0481, 0.2567, 0.2907



53.3154, 0.2606, 0.2539



19.3041, 0.2980, 0.3201



17.6004, 0.1902, 0.2049

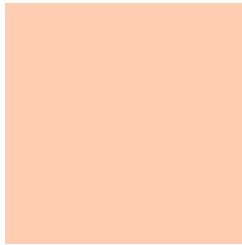


1.9217, 0.1946, 0.2206



# Previews

## White Background



This preview shows how the Yxy color 68.6170, 0.3724, 0.3582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

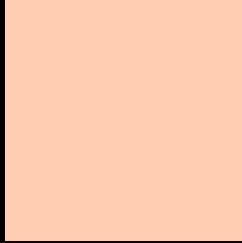
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6170, 0.3724, 0.3582 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 68.6170, 0.3724, 0.3582**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6170, 0.3724, 0.3582.



This preview shows how white text looks on a background with the Yxy color 68.6170, 0.3724, 0.3582.

# 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

68.6170, 0.3724, 0.3582

### Protanopia

69.0246, 0.3448, 0.3656

### Deuteranopia

68.6501, 0.3678, 0.3607



## Tritanopia

68.4589, 0.3438, 0.3148

# Trichromacy



**Original Color**

68.6170, 0.3724, 0.3582

**Protanomaly**

68.6003, 0.3550, 0.3627

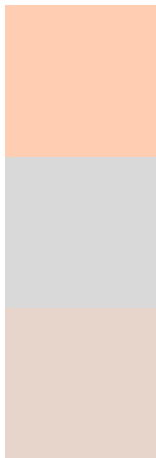
**Deuteranomaly**

68.5354, 0.3697, 0.3595

**Tritanomaly**

68.2361, 0.3544, 0.3302

# Monochromacy



**Original Color**

68.6170, 0.3724, 0.3582

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

68.8892, 0.3332, 0.3399

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6170, 0.3724, 0.3582 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, 206, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 178)  
}
```

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, 206, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6170, 0.3724, 0.3582 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, 206, 178) }
```

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

```
.border{ border-color:rgb(255, 206, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6170, 0.3724, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 178) }
```

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

```
.background{ background-color: rgb(255,  
206, 178) }
```

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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