

# Converting Colors

Yxy(68.4548, 0.3711, 0.3557)

Have a look what the booklet for  
Yxy(68.4548, 0.3711, 0.3557)  
contains.

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# Color

**Yxy(68.6979, 0.3709, 0.3561)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCEB4
RGB	255, 206, 180
RGB Percent	100%, 81%, 71%
CMY	0.0000, 0.1922, 0.2941
CMYK	0.00, 0.19, 0.29, 0.00
HSL	21°, 100%, 85%
HSV	21°, 29%, 100%
XYZ	71.5531, 68.6979, 52.6665
YIQ	217.6870, 37.5500, 2.3020

# Conversions

## Conversions Part 2

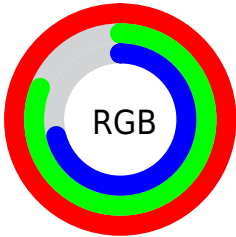
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 220, 180
Decimal	16764596
CIE <sub>Lab</sub>	86.35, 13.67, 19.48
CIE <sub>LCh</sub>	86, 23.793, 54.944
Yxy	68.6979, 0.3709, 0.3561
Android (android.graphics.Color)	4294954676 (0xFFFFCEB4)
YUV	217.6870, -18.5797, 32.7235
Hunter-Lab	82.8842, 9.0499, 20.3448

# Details

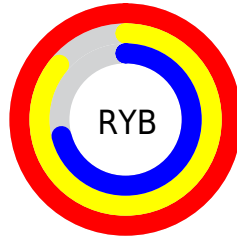
The Yxy color **68.6979, 0.3709, 0.3561** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **72.9595, 0.2669, 0.3001**, and the grayscale version is **69.9945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **35.8591, 0.3849, 0.3624** is the 20% darker color. If you saturate the color by 10%, you get **60.1522, 0.3975, 0.3657**, and if you desaturate by 10%, it is **78.2858, 0.3479, 0.3465**.

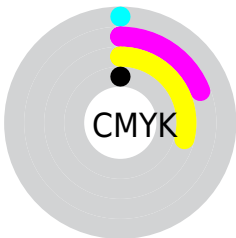
# Distribution



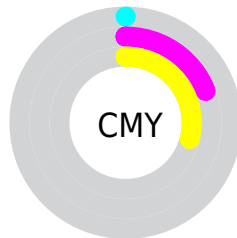
- Red (100%)
- Green (81%)
- Blue (71%)



- Red (100%)
- Yellow (86%)
- Blue (71%)



- Cyan (0%)
- Magenta (19%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (19%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6979, 0.3709, 0.3561 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 68.6979, 0.3709, 0.3561 by changing the saturation by 10% instead.




 68.6979, 0.3709,  
0.3561

 68.6979, 0.3709,  
0.3561


455.9648, 0.3435,  
0.3441

 50.4657, 0.3773,  
0.3587


 117.3500, 0.3613,  
0.3520

 35.7836, 0.3851,  
0.3618


148.5387, 0.3576,  
0.3504

 24.2671, 0.3952,  
0.3656


184.8150, 0.3544,  
0.3490

 15.5319, 0.4084,  
0.3703

226.5633, 0.3516,  
0.3478

 9.1935, 0.4264,  
0.3761

274.1681, 0.3492,  
0.3467

 4.8676, 0.4523,  
0.3832

328.0136, 0.3471,

 2.1698, 0.4955,

0.3457

0.3938

388.4844, 0.3452,  
0.3449

0.7035, 0.5901,  
0.4099

0.0000, 0.0000,  
0.0000

68.6979, 0.3709,  
0.3561

68.6979, 0.3709,  
0.3561

60.1522, 0.3975,  
0.3657

78.2858, 0.3479,  
0.3465

52.6106, 0.4278,  
0.3746

88.9494, 0.3284,  
0.3372

46.0343, 0.4612,  
0.3818

100.0000, 0.3127,  
0.3290

40.3811, 0.4964,  
0.3862

■ 35.6055, 0.5310,  
0.3865

■ 31.6569, 0.5618,  
0.3817

■ 28.4728, 0.5863,  
0.3722

■ 28.3069, 0.5876,  
0.3716

# Harmonies

## Analogous

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



68.6979, 0.3644, 0.3322



68.6979, 0.3709, 0.3561



68.6979, 0.3610, 0.3745

# Triad

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



68.6979, 0.3709, 0.3561



68.6979, 0.2820, 0.3502



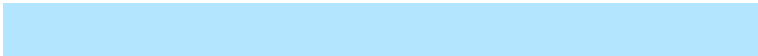
68.6979, 0.2860, 0.2812

# Complementary

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



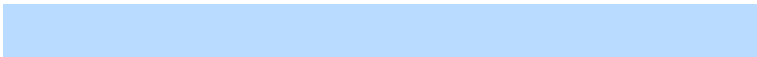
68.6979, 0.3709, 0.3561



72.9595, 0.2669, 0.3001

# 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.



68.6979, 0.2657, 0.2836



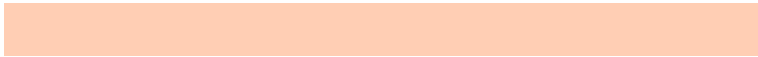
68.6979, 0.3709, 0.3561



68.6979, 0.2635, 0.3223

# Square

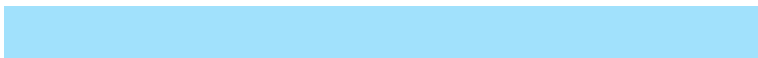
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6979, 0.3709, 0.3561



68.6979, 0.3091, 0.3724



68.6979, 0.2577, 0.2980



68.6979, 0.3142, 0.2904

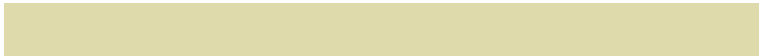


# Rectangle

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



68.6979, 0.3709, 0.3561



68.6979, 0.3468, 0.3806



68.6979, 0.2577, 0.2980



68.6979, 0.2781, 0.2807

# Sweetspot

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



68.6983, 0.3709, 0.3561



89.4133, 0.3277, 0.3368



59.6146, 0.3357, 0.2785



18.7900, 0.3303, 0.3382



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.



68.6983, 0.3709, 0.3561



63.7974, 0.3853, 0.3615



88.3572, 0.3606, 0.3915



19.0168, 0.3286, 0.3373



15.0412, 0.5847, 0.3740

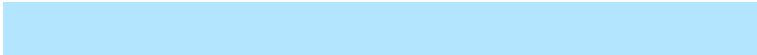


1.6594, 0.5629, 0.3913

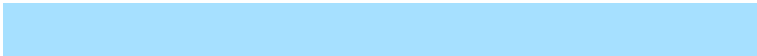


# Inverse Universe

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



72.9595, 0.2669, 0.3001



68.6417, 0.2584, 0.2937



54.8412, 0.2622, 0.2576



19.3589, 0.2980, 0.3206



18.4253, 0.1920, 0.2111



1.9984, 0.1961, 0.2261



# Previews

## White Background



This preview shows how the Yxy color 68.6979, 0.3709, 0.3561 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 68.6979, 0.3709, 0.3561 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

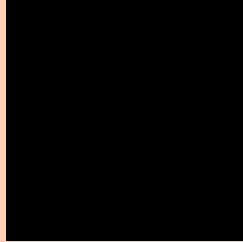
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.6979, 0.3709, 0.3561**

## Background



This preview shows how black text looks on a background with the Yxy color 68.6979, 0.3709, 0.3561.



This preview shows how white text looks on a background with the Yxy color 68.6979, 0.3709, 0.3561.

# 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

68.6979, 0.3709, 0.3561

### Protanopia

68.9454, 0.3426, 0.3634

### Deuteranopia

68.7310, 0.3663, 0.3585



## Tritanopia

68.4589, 0.3438, 0.3148

# Trichromacy



**Original Color**

68.6979, 0.3709, 0.3561

**Protanomaly**

68.5104, 0.3527, 0.3605

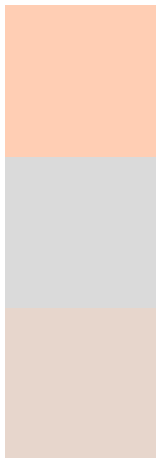
**Deuteranomaly**

68.6164, 0.3682, 0.3574

**Tritanomaly**

68.2837, 0.3537, 0.3291

# Monochromacy



**Original Color**

68.6979, 0.3709, 0.3561

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

69.4417, 0.3324, 0.3399

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6979, 0.3709, 0.3561 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6979, 0.3709, 0.3561 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, 180) }
```

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

```
.border{ border-color:rgb(255, 206, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6979, 0.3709, 0.3561 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, 180) }
```

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

```
.background{ background-color: rgb(255,  
206, 180) }
```

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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