

# Converting Colors

Yxy(68.4151, 0.3719, 0.3568)

Have a look what the booklet for  
Yxy(68.4151, 0.3719, 0.3568)  
contains.

<b>Yxy(68.6573, 0.3717, 0.3571)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(68.6573, 0.3717, 0.3571)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCEB3
RGB	255, 206, 179
RGB Percent	100%, 81%, 70%
CMY	0.0000, 0.1922, 0.2980
CMYK	0.00, 0.19, 0.30, 0.00
HSL	21°, 100%, 85%
HSV	21°, 30%, 100%
XYZ	71.4643, 68.6573, 52.1419
YIQ	217.5730, 37.8710, 1.9910

# Conversions

## Conversions Part 2

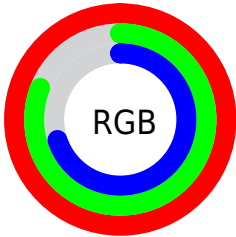
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 221, 179
Decimal	16764595
CIE <sub>Lab</sub>	86.33, 13.57, 19.97
CIE <sub>LCh</sub>	86, 24.138, 55.806
Yxy	68.6573, 0.3717, 0.3571
Android (android.graphics.Color)	4294954675 (0xFFFFCEB3)
YUV	217.5730, -19.0165, 32.8235
Hunter-Lab	82.8597, 8.9472, 20.6918

# Details

The Yxy color **68.6573, 0.3717, 0.3571** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **72.3114, 0.2662, 0.2990**, and the grayscale version is **69.9088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7782, 0.3244, 0.3483**, and **35.8331, 0.3860, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **60.2020, 0.3982, 0.3669**, and if you desaturate by 10%, it is **78.1177, 0.3487, 0.3473**.

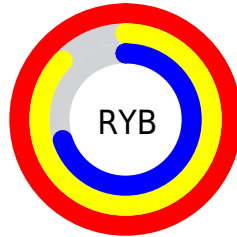
# Distribution



Red (100%)

Green (81%)

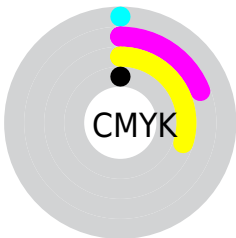
Blue (70%)



Red (100%)

Yellow (87%)

Blue (70%)

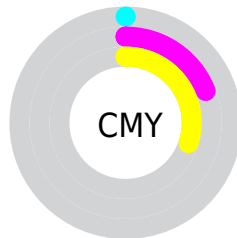


Cyan (0%)

Magenta (19%)

Yellow (30%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6573, 0.3717, 0.3571 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 68.6573, 0.3717, 0.3571 by changing the saturation by 10% instead.





 68.6573, 0.3717,  
0.3571

 68.6573, 0.3717,  
0.3571


455.8214, 0.3439,  
0.3446

 50.4327, 0.3781,  
0.3598


 117.2920, 0.3620,  
0.3529

 35.7573, 0.3861,  
0.3630


148.4708, 0.3582,  
0.3512

 24.2468, 0.3963,  
0.3670


184.7365, 0.3550,  
0.3498

 15.5168, 0.4097,  
0.3718

226.4734, 0.3522,  
0.3485

 9.1829, 0.4279,  
0.3778

274.0659, 0.3497,  
0.3474

 4.8607, 0.4540,  
0.3852

327.8985, 0.3476,

 2.1657, 0.4983,

0.3463

0.3967

388.3555, 0.3456,  
0.3454

0.7012, 0.5896,  
0.4104

0.0000, 0.0000,  
0.0000

68.6573, 0.3717,  
0.3571

68.6573, 0.3717,  
0.3571

60.2020, 0.3982,  
0.3669

78.1177, 0.3487,  
0.3473

52.7380, 0.4284,  
0.3760

88.6391, 0.3291,  
0.3378

46.2195, 0.4616,  
0.3833

100.0000, 0.3127,  
0.3290

40.6057, 0.4965,  
0.3878

■ 35.8519, 0.5305,  
0.3880

■ 31.9090, 0.5608,  
0.3831

■ 28.7146, 0.5850,  
0.3735

■ 28.6567, 0.5855,  
0.3733

# Harmonies

## Analogous

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



68.6573, 0.3656, 0.3329



68.6573, 0.3717, 0.3571



68.6573, 0.3612, 0.3755

# Triad

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



68.6573, 0.3717, 0.3571



68.6573, 0.2809, 0.3497



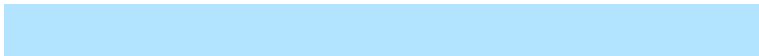
68.6573, 0.2863, 0.2807

# Complementary

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



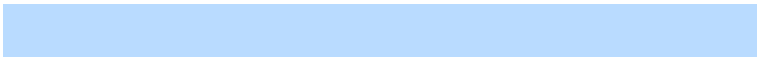
68.6573, 0.3717, 0.3571



72.3114, 0.2662, 0.2990

# 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.



68.6573, 0.2655, 0.2827



68.6573, 0.3717, 0.3571



68.6573, 0.2625, 0.3213

# Square

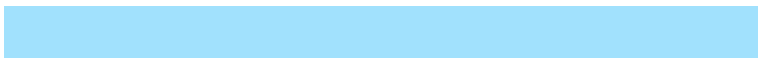
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6573, 0.3717, 0.3571



68.6573, 0.3082, 0.3726



68.6573, 0.2570, 0.2970



68.6573, 0.3151, 0.2903



# Rectangle

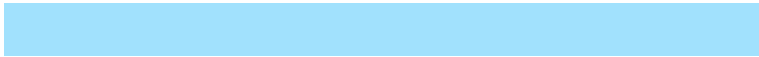
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.6573, 0.3717, 0.3571



68.6573, 0.3466, 0.3815



68.6573, 0.2570, 0.2970



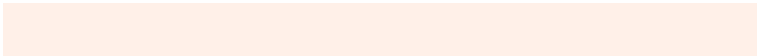
68.6573, 0.2782, 0.2800

# Sweetspot

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



68.6500, 0.3717, 0.3571



89.5240, 0.3276, 0.3370



59.1313, 0.3371, 0.2791



18.8172, 0.3303, 0.3384



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.



68.6500, 0.3717, 0.3571



63.2919, 0.3877, 0.3632



88.9779, 0.3609, 0.3935



19.0418, 0.3285, 0.3375



15.2278, 0.5825, 0.3757



1.6796, 0.5608, 0.3929

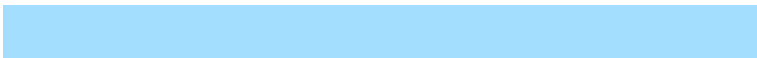


# Inverse Universe

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



72.3114, 0.2662, 0.2990



67.4939, 0.2568, 0.2916



53.8127, 0.2613, 0.2550



19.3330, 0.2980, 0.3204



18.0321, 0.1912, 0.2081



1.9619, 0.1954, 0.2235



# Previews

## White Background



This preview shows how the Yxy color 68.6573, 0.3717, 0.3571 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 68.6573, 0.3717, 0.3571 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

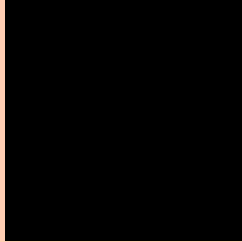
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.6573, 0.3717, 0.3571**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.6573, 0.3717, 0.3571.



This preview shows how white text looks on a background with the Yxy color 68.6573, 0.3717, 0.3571.

# 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

68.6573, 0.3717, 0.3571

### Protanopia

69.0664, 0.3441, 0.3644

### Deuteranopia

68.6904, 0.3671, 0.3596



## Tritanopia

68.4589, 0.3438, 0.3148

# Trichromacy



**Original Color**

68.6573, 0.3717, 0.3571

**Protanomaly**

68.6415, 0.3542, 0.3616

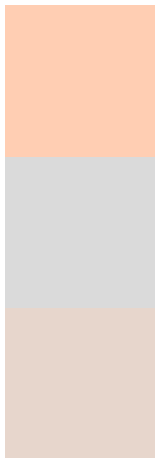
**Deuteranomaly**

68.5758, 0.3690, 0.3584

**Tritanomaly**

68.2837, 0.3537, 0.3291

# Monochromacy



**Original Color**

68.6573, 0.3717, 0.3571

**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 68.6573, 0.3717, 0.3571 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6573, 0.3717, 0.3571 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, 179) }
```

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

```
.border{ border-color:rgb(255, 206, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6573, 0.3717, 0.3571 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, 179) }
```

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

```
.background{ background-color: rgb(255,  
206, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor