

# Converting Colors

$Y_{xy}(69.6767, 0.3672, 0.3600)$

Have a look what the booklet for  
Yxy(69.6767, 0.3672, 0.3600)  
contains.

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# Color

**Yxy(69.4054, 0.3668, 0.3595)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FBD1B4
RGB	251, 209, 180
RGB Percent	98%, 82%, 71%
CMY	0.0158, 0.1803, 0.2941
CMYK	0.00, 0.17, 0.28, 0.02
HSL	25°, 90%, 85%
HSV	25°, 28%, 98%
XYZ	70.8147, 69.4054, 52.8408
YIQ	218.2520, 34.3410, -0.1150

# Conversions

## Conversions Part 2

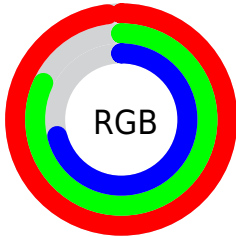
Format	Color
R <sub>Y</sub> B	251, 229, 180
Decimal	16503220
CIE Lab	86.70, 10.59, 19.91
CIE LCh	87, 22.548, 61.996
Yxy	69.4054, 0.3668, 0.3595
Android (android.graphics.Color)	4294693300 (0xFFFBDB4)
YUV	218.2520, -18.8582, 28.7200
Hunter-Lab	83.3099, 5.9355, 20.7112

# Details

The Yxy color **69.4054, 0.3668, 0.3595** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **68.8834, 0.2681, 0.2963**, and the grayscale version is **70.4090, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **36.4443, 0.3804, 0.3668** is the 20% darker color. If you saturate the color by 10%, you get **61.5317, 0.3917, 0.3708**, and if you desaturate by 10%, it is **78.1486, 0.3450, 0.3483**.

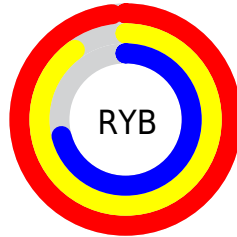
# Distribution



Red (98%)

Green (82%)

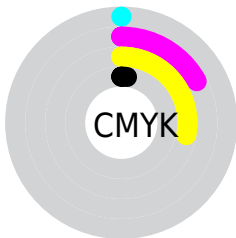
Blue (71%)



Red (98%)

Yellow (90%)

Blue (71%)

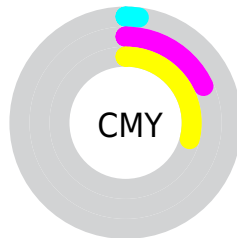


Cyan (0%)

Magenta (17%)

Yellow (28%)

Black (2%)



Cyan (2%)

Magenta (18%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4054, 0.3668, 0.3595 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 69.4054, 0.3668, 0.3595 by changing the saturation by 10% instead.




 69.4054, 0.3668,  
0.3595

 69.4054, 0.3668,  
0.3595


458.4595, 0.3414,  
0.3458

 51.0419, 0.3727,  
0.3625

 118.3604, 0.3579,  
0.3548

 36.2420, 0.3799,  
0.3661


149.7208, 0.3545,  
0.3530

 24.6211, 0.3892,  
0.3706


186.1822, 0.3515,  
0.3514

 15.7950, 0.4013,  
0.3762

228.1291, 0.3490,  
0.3500

 9.3792, 0.4178,  
0.3834

275.9459, 0.3467,  
0.3488

 4.9894, 0.4413,  
0.3926

330.0170, 0.3447,

 2.2410, 0.4804,

0.3477

0.4067

390.7267, 0.3430,  
0.3467

0.7422, 0.5665,  
0.4335

0.0000, 0.0000,  
0.0000

69.4054, 0.3668,  
0.3595

69.4054, 0.3668,  
0.3595

61.5317, 0.3917,  
0.3708

78.1486, 0.3450,  
0.3483

54.4895, 0.4198,  
0.3814

87.7787, 0.3262,  
0.3375

48.2519, 0.4505,  
0.3904

98.3061, 0.3103,  
0.3276

42.7866, 0.4826,  
0.3966

99.2444, 0.3102,  
0.3290

■ 38.0584, 0.5143,  
0.3987

■ 34.0287, 0.5430,  
0.3955

■ 30.6510, 0.5665,  
0.3870

■ 30.1289, 0.5703,  
0.3854

# Harmonies

## Analogous

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



69.4054, 0.3643, 0.3376



69.4054, 0.3668, 0.3595



69.4054, 0.3542, 0.3746

# Triad

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



69.4054, 0.3668, 0.3595



69.4054, 0.2787, 0.3429



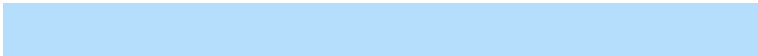
69.4054, 0.2933, 0.2849

# Complementary

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



69.4054, 0.3668, 0.3595



68.8834, 0.2681, 0.2963

# 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.



69.4054, 0.2718, 0.2845



69.4054, 0.3668, 0.3595



69.4054, 0.2637, 0.3168

# Square

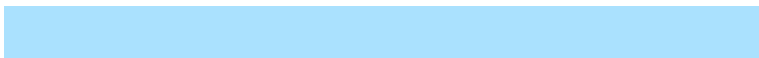
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.4054, 0.3668, 0.3595



69.4054, 0.3029, 0.3659



69.4054, 0.2613, 0.2956



69.4054, 0.3208, 0.2958



# Rectangle

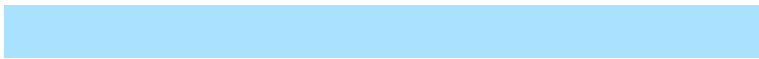
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.4054, 0.3668, 0.3595



69.4054, 0.3393, 0.3782



69.4054, 0.2613, 0.2956



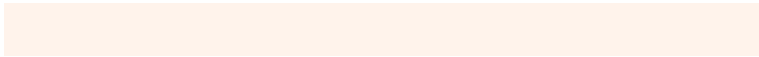
69.4054, 0.2851, 0.2835

# Sweetspot

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



69.4086, 0.3668, 0.3595



91.3010, 0.3258, 0.3372



58.4502, 0.3384, 0.2852



19.2067, 0.3284, 0.3388



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.



69.4086, 0.3668, 0.3595



67.1651, 0.3807, 0.3660



88.4263, 0.3574, 0.3934



18.3906, 0.3284, 0.3387



16.1099, 0.5674, 0.3877

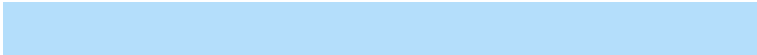


1.6947, 0.5458, 0.4048

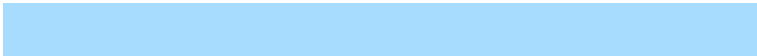


# Inverse Universe

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



68.8834, 0.2681, 0.2963



66.5285, 0.2591, 0.2885



52.2463, 0.2638, 0.2552



18.3488, 0.2980, 0.3191



15.1493, 0.1858, 0.1890

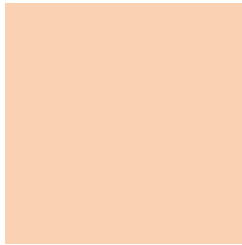


1.6116, 0.1909, 0.2074



# Previews

## White Background



This preview shows how the Yxy color 69.4054, 0.3668, 0.3595 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 69.4054, 0.3668, 0.3595 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

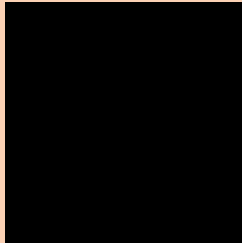
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 69.4054, 0.3668, 0.3595**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.4054, 0.3668, 0.3595.



This preview shows how white text looks on a background with the Yxy color 69.4054, 0.3668, 0.3595.

# 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

69.4054, 0.3668, 0.3595

### Protanopia

69.7444, 0.3446, 0.3654

### Deuteranopia

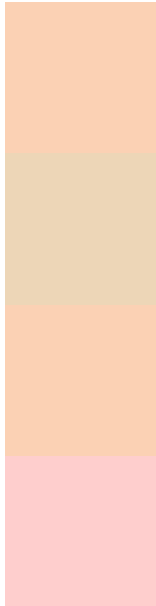
69.4054, 0.3668, 0.3595



## Tritanopia

69.5602, 0.3412, 0.3138

# Trichromacy



**Original Color**

69.4054, 0.3668, 0.3595

**Protanomaly**

69.5166, 0.3522, 0.3626

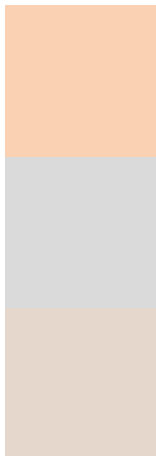
**Deuteranomaly**

69.4054, 0.3668, 0.3595

**Tritanomaly**

69.6212, 0.3507, 0.3301

# Monochromacy



**Original Color**

69.4054, 0.3668, 0.3595

**Achromatopsia**

70.1102, 0.3127, 0.3290

**Achromatomaly**

69.7835, 0.3315, 0.3410

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.4054, 0.3668, 0.3595 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(251, 209, 180)` looks like.

```
.text, #text, p{  
    color:rgb(251, 209, 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(251, 209, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 209, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 69.4054, 0.3668, 0.3595 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(251, 209, 180) }
```

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

```
.border{ border-color:rgb(251, 209, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 209, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 209, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 209, 180);  
box-shadow:4px 4px 4px 4px rgb(251, 209,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.4054, 0.3668, 0.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 209, 180) }
```

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

```
.background{ background-color: rgb(251,  
209, 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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