

# Converting Colors

$Yxy(68.6634, 0.3728, 0.3617)$

Have a look what the booklet for  
Yxy(68.6634, 0.3728, 0.3617)  
contains.

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# Color

**Yxy(68.6429, 0.3721, 0.3615)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FDCFB0
RGB	253, 207, 176
RGB Percent	99%, 81%, 69%
CMY	0.0078, 0.1882, 0.3099
CMYK	0.00, 0.18, 0.30, 0.01
HSL	24°, 95%, 84%
HSV	24°, 30%, 99%
XYZ	70.6557, 68.6429, 50.5850
YIQ	217.2200, 37.3670, 0.1110

# Conversions

## Conversions Part 2

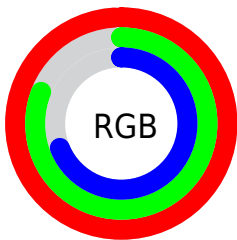
Format	Color
R <sub>Y</sub> B	253, 228, 176
Decimal	16633776
CIE Lab	86.33, 11.87, 21.53
CIE LCh	86, 24.584, 61.117
Yxy	68.6429, 0.3721, 0.3615
Android (android.graphics.Color)	4294823856 (0xFFFD CFB0)
YUV	217.2200, -20.3215, 31.3791
Hunter-Lab	82.8510, 7.2362, 21.7960

# Details

The Yxy color **68.6429, 0.3721, 0.3615** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **68.5445, 0.2648, 0.2939**, and the grayscale version is **69.6704, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **35.8146, 0.3865, 0.3694** is the 20% darker color. If you saturate the color by 10%, you get **60.7626, 0.3979, 0.3725**, and if you desaturate by 10%, it is **77.4166, 0.3496, 0.3504**.

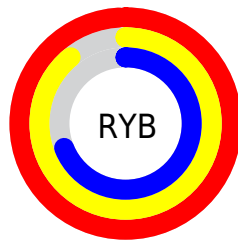
# Distribution



Red (99%)

Green (81%)

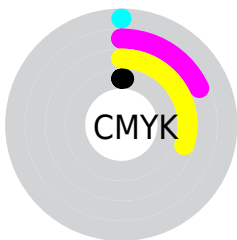
Blue (69%)



Red (99%)

Yellow (89%)

Blue (69%)

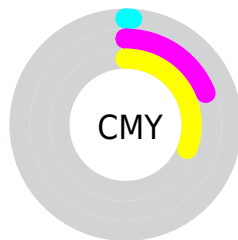


Cyan (0%)

Magenta (18%)

Yellow (30%)

Black (1%)



Cyan (1%)

Magenta (19%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6429, 0.3721, 0.3615 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 68.6429, 0.3721, 0.3615 by changing the saturation by 10% instead.





 68.6429, 0.3721,  
0.3615

 68.6429, 0.3721,  
0.3615


455.7705, 0.3442,  
0.3470

 50.4209, 0.3786,  
0.3647


 117.2714, 0.3623,  
0.3566

 35.7480, 0.3866,  
0.3685


148.4467, 0.3586,  
0.3546

 24.2396, 0.3967,  
0.3731

184.7086, 0.3553,  
0.3529

 15.5115, 0.4101,  
0.3789

226.4415, 0.3525,  
0.3514

 9.1791, 0.4282,  
0.3862

274.0297, 0.3500,  
0.3501

 4.8582, 0.4539,  
0.3953

327.8577, 0.3478,

 2.1643, 0.5002,

0.3490

0.4117

388.3098, 0.3459,  
0.3479

0.7004, 0.5784,  
0.4216

0.0000, 0.0000,  
0.0000

68.6429, 0.3721,  
0.3615

68.6429, 0.3721,  
0.3615

60.7626, 0.3979,  
0.3725

77.4166, 0.3496,  
0.3504

53.7363, 0.4268,  
0.3828

87.1025, 0.3301,  
0.3396

47.5352, 0.4581,  
0.3911

97.7308, 0.3134,  
0.3294

42.1251, 0.4907,  
0.3964

99.6231, 0.3115,  
0.3290

■ 37.4689, 0.5222,  
0.3973

■ 33.5252, 0.5502,  
0.3928

■ 30.3727, 0.5721,  
0.3840

# Harmonies

## Analogous

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



68.6429, 0.3689, 0.3375



68.6429, 0.3721, 0.3615



68.6429, 0.3586, 0.3786

# Triad

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



68.6429, 0.3721, 0.3615



68.6429, 0.2761, 0.3451



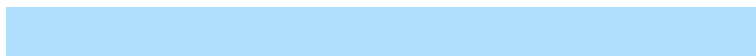
68.6429, 0.2906, 0.2808

# Complementary

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



68.6429, 0.3721, 0.3615



68.5445, 0.2648, 0.2939

# 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.



68.6429, 0.2676, 0.2806



68.6429, 0.3721, 0.3615



68.6429, 0.2596, 0.3162

# Square

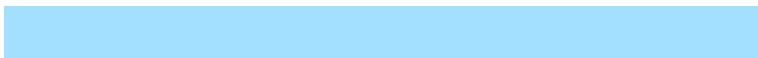
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6429, 0.3721, 0.3615



68.6429, 0.3028, 0.3702



68.6429, 0.2565, 0.2929



68.6429, 0.3206, 0.2924



# Rectangle

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



68.6429, 0.3721, 0.3615



68.6429, 0.3425, 0.3829



68.6429, 0.2565, 0.2929



68.6429, 0.2818, 0.2793

# Sweetspot

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



68.6461, 0.3721, 0.3615



90.1753, 0.3275, 0.3381



57.2074, 0.3409, 0.2817



18.9771, 0.3301, 0.3396



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.



68.6461, 0.3721, 0.3615



64.5128, 0.3887, 0.3688



89.5028, 0.3609, 0.3984



19.1883, 0.3284, 0.3386



16.4241, 0.5692, 0.3862

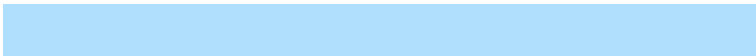


1.8065, 0.5485, 0.4027



# Inverse Universe

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



68.5445, 0.2648, 0.2939



64.3797, 0.2545, 0.2850



50.4656, 0.2595, 0.2485



19.1817, 0.2979, 0.3192



15.8516, 0.1864, 0.1910

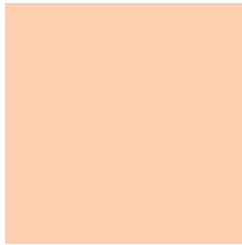


1.7577, 0.1912, 0.2083



# Previews

## White Background



This preview shows how the Yxy color 68.6429, 0.3721, 0.3615 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

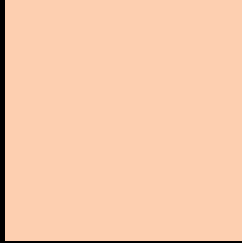
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.6429, 0.3721, 0.3615 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 68.6429, 0.3721, 0.3615**

## Background



This preview shows how black text looks on a background with the Yxy color 68.6429, 0.3721, 0.3615.



This preview shows how white text looks on a background with the Yxy color 68.6429, 0.3721, 0.3615.

# 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

68.6429, 0.3721, 0.3615

### Protanopia

68.9010, 0.3469, 0.3689

### Deuteranopia

68.7556, 0.3702, 0.3627



## Tritanopia

68.5108, 0.3430, 0.3138

# Trichromacy



**Original Color**

68.6429, 0.3721, 0.3615

**Protanomaly**

68.8477, 0.3554, 0.3660

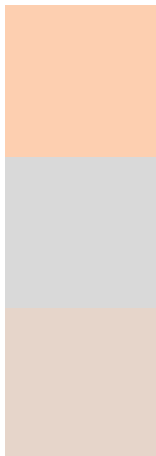
**Deuteranomaly**

68.9418, 0.3710, 0.3626

**Tritanomaly**

68.5208, 0.3534, 0.3312

# Monochromacy



**Original Color**

68.6429, 0.3721, 0.3615

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

68.6758, 0.3332, 0.3411

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6429, 0.3721, 0.3615 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(253, 207, 176)` looks like.

```
.text, #text, p{  
    color:rgb(253, 207, 176)  
}
```

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(253, 207, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 207, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6429, 0.3721, 0.3615 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(253, 207, 176) }
```

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

```
.border{ border-color:rgb(253, 207, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 207, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 207, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 207, 176);  
box-shadow:4px 4px 4px 4px rgb(253, 207,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6429, 0.3721, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 207, 176) }
```

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

```
.background{ background-color: rgb(253,  
207, 176) }
```

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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