

# Converting Colors

$Y_{xy}(68.8345, 0.3569, 0.3600)$

Have a look what the booklet for  
Yxy(68.8345, 0.3569, 0.3600)  
contains.

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# Color

**Yxy(68.6667, 0.3568, 0.3603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1D3B6
RGB	241, 211, 182
RGB Percent	95%, 83%, 71%
CMY	0.0551, 0.1725, 0.2863
CMYK	0.00, 0.12, 0.24, 0.06
HSL	30°, 68%, 83%
HSV	30°, 24%, 94%
XYZ	67.9997, 68.6667, 53.9157
YIQ	216.6640, 27.1890, -2.6590

# Conversions

## Conversions Part 2

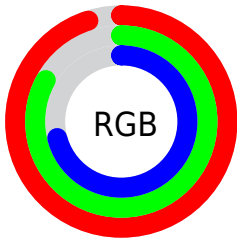
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 239, 182
Decimal	15848374
CIE Lab	86.34, 6.08, 18.22
CIE LCh	86, 19.205, 71.558
Yxy	68.6667, 0.3568, 0.3603
Android (android.graphics.Color)	4294038454 (0xFFFF1D3B6)
YUV	216.6640, -17.0894, 21.3427
Hunter-Lab	82.8654, 1.4634, 19.4292

# Details

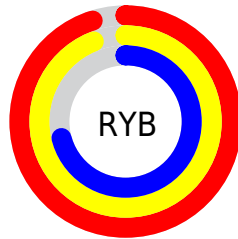
The Yxy color **68.6667, 0.3568, 0.3603** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.3333, 0.2738, 0.2955**, and the grayscale version is **69.2491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9530, 0.3226, 0.3454**, and **35.8893, 0.3671, 0.3681** is the 20% darker color. If you saturate the color by 10%, you get **61.9101, 0.3791, 0.3738**, and if you desaturate by 10%, it is **76.0632, 0.3370, 0.3471**.

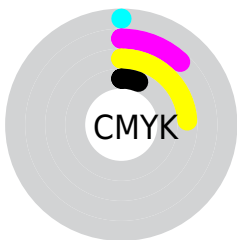
# Distribution



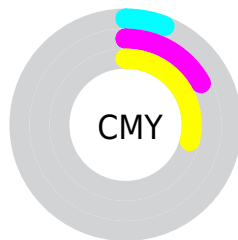
- Red (95%)
- Green (83%)
- Blue (71%)



- Red (95%)
- Yellow (94%)
- Blue (71%)



- Cyan (0%)
- Magenta (12%)
- Yellow (24%)
- Black (6%)



- Cyan (6%)
- Magenta (17%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6667, 0.3568, 0.3603 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 68.6667, 0.3568, 0.3603 by changing the saturation by 10% instead.



 68.6667, 0.3568,  
0.3603

 68.6667, 0.3568,  
0.3603


455.8546, 0.3361,  
0.3460

 50.4403, 0.3616,  
0.3635


 117.3054, 0.3496,  
0.3554

 35.7634, 0.3675,  
0.3675


148.4865, 0.3468,  
0.3534

 24.2515, 0.3751,  
0.3724


184.7546, 0.3444,  
0.3518

 15.5203, 0.3850,  
0.3788

226.4942, 0.3423,  
0.3503

 9.1854, 0.3985,  
0.3872

274.0896, 0.3404,  
0.3490

 4.8623, 0.4180,  
0.3986

327.9252, 0.3388,

 2.1667, 0.4498,

0.3479

0.4164

388.3854, 0.3374,  
0.3469

0.7017, 0.5374,  
0.4626

0.0000, 0.0000,  
0.0000

68.6667, 0.3568,  
0.3603

68.6667, 0.3568,  
0.3603

61.9101, 0.3791,  
0.3738

76.0632, 0.3370,  
0.3471

55.7652, 0.4039,  
0.3868

84.1083, 0.3197,  
0.3344

50.2147, 0.4307,  
0.3986

92.8223, 0.3046,  
0.3225

45.2373, 0.4588,  
0.4080

97.4324, 0.3041,  
0.3290

■ 40.8097, 0.4866,  
0.4137

■ 36.9061, 0.5125,  
0.4145

■ 33.4971, 0.5347,  
0.4096

■ 31.8067, 0.5454,  
0.4052

# Harmonies

## Analogous

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



68.6667, 0.3589, 0.3429



68.6667, 0.3568, 0.3603



68.6667, 0.3426, 0.3701

# Triad

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



68.6667, 0.3568, 0.3603



68.6667, 0.2784, 0.3338



68.6667, 0.3034, 0.2931

# Complementary

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



68.6667, 0.3568, 0.3603



63.3333, 0.2738, 0.2955

# 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.



68.6667, 0.2827, 0.2898



68.6667, 0.3568, 0.3603



68.6667, 0.2687, 0.3122

# Square

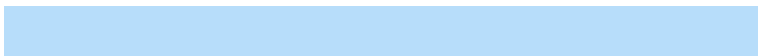
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.6667, 0.3568, 0.3603



68.6667, 0.2972, 0.3549



68.6667, 0.2702, 0.2964



68.6667, 0.3273, 0.3050



# Rectangle

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



68.6667, 0.3568, 0.3603



68.6667, 0.3285, 0.3704



68.6667, 0.2702, 0.2964



68.6667, 0.2958, 0.2909

# Sweetspot

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



68.6698, 0.3568, 0.3603



93.2588, 0.3239, 0.3376



56.9174, 0.3382, 0.2965



19.8406, 0.3249, 0.3383



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.



68.6698, 0.3568, 0.3603



74.4663, 0.3668, 0.3665



84.3714, 0.3499, 0.3892



17.0444, 0.3281, 0.3407



17.5245, 0.5428, 0.4072



1.6566, 0.5223, 0.4235



# Inverse Universe

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



63.3333, 0.2738, 0.2955



67.4942, 0.2662, 0.2882



50.1437, 0.2708, 0.2607



16.5549, 0.2980, 0.3171



11.3041, 0.1779, 0.1604



1.1395, 0.1844, 0.1839



# Previews

## White Background



This preview shows how the Yxy color 68.6667, 0.3568, 0.3603 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 68.6667, 0.3568, 0.3603 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 68.6667, 0.3568, 0.3603**

## Background



This preview shows how black text looks on a background with the Yxy color 68.6667, 0.3568, 0.3603.



This preview shows how white text looks on a background with the Yxy color 68.6667, 0.3568, 0.3603.

# 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

68.6667, 0.3568, 0.3603

### Protanopia

68.9033, 0.3433, 0.3645

### Deuteranopia

68.6704, 0.3632, 0.3554



## Tritanopia

68.4759, 0.3326, 0.3125

# Trichromacy



**Original Color**

68.6667, 0.3568, 0.3603

**Protanomaly**

68.6678, 0.3483, 0.3631

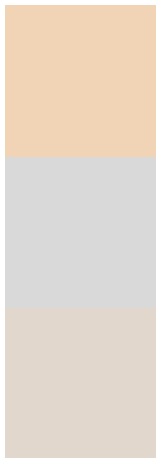
**Deuteranomaly**

68.6127, 0.3606, 0.3567

**Tritanomaly**

68.3637, 0.3412, 0.3291

# Monochromacy



**Original Color**

68.6667, 0.3568, 0.3603

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

69.1293, 0.3285, 0.3411

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6667, 0.3568, 0.3603 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(241, 211, 182)` looks like.

```
.text, #text, p{  
    color:rgb(241, 211, 182)  
}
```

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(241, 211, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 211, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6667, 0.3568, 0.3603 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(241, 211, 182) }
```

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

```
.border{ border-color:rgb(241, 211, 182) }
```

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

Here you see how a box with a 4 pixel rgb(241, 211, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 211, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 211, 182);  
box-shadow:4px 4px 4px 4px rgb(241, 211,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6667, 0.3568, 0.3603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 211, 182) }
```

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

```
.background{ background-color: rgb(241,  
211, 182) }
```

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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