

# Converting Colors

$Yxy(68.2148, 0.3646, 0.3562)$

Have a look what the booklet for  
Yxy(68.2148, 0.3646, 0.3562)  
contains.

<b>Yxy(68.1016, 0.3650, 0.3565)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(68.1016, 0.3650, 0.3565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9CFB5
RGB	249, 207, 181
RGB Percent	98%, 81%, 71%
CMY	0.0235, 0.1882, 0.2901
CMYK	0.00, 0.17, 0.27, 0.02
HSL	23°, 85%, 84%
HSV	23°, 27%, 98%
XYZ	69.7253, 68.1016, 53.2014
YIQ	216.5940, 33.3780, 0.8180

# Conversions

## Conversions Part 2

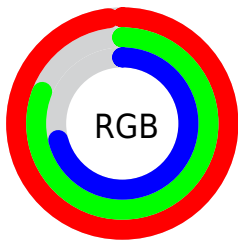
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	249, 223, 181
Decimal	16371637
CIE Lab	86.06, 11.04, 18.44
CIE LCh	86, 21.488, 59.084
Yxy	68.1016, 0.3650, 0.3565
Android (android.graphics.Color)	4294561717 (0xFFF9CFB5)
YUV	216.5940, -17.5478, 28.4201
Hunter-Lab	82.5237, 6.4005, 19.5435

# Details

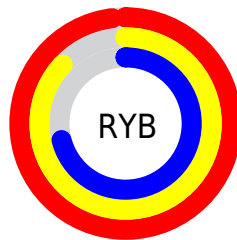
The Yxy color **68.1016, 0.3650, 0.3565** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **69.4649, 0.2699, 0.2997**, and the grayscale version is **69.2046, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **35.5474, 0.3782, 0.3631** is the 20% darker color. If you saturate the color by 10%, you get **60.0752, 0.3901, 0.3671**, and if you desaturate by 10%, it is **77.0437, 0.3432, 0.3460**.

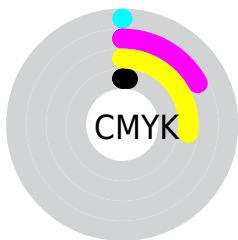
# Distribution



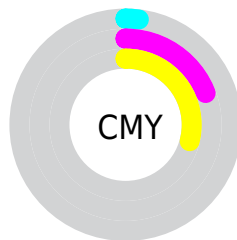
- Red (98%)
- Green (81%)
- Blue (71%)



- Red (98%)
- Yellow (87%)
- Blue (71%)



- Cyan (0%)
- Magenta (17%)
- Yellow (27%)
- Black (2%)




- Cyan (2%)
- Magenta (19%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1016, 0.3650, 0.3565 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 68.1016, 0.3650, 0.3565 by changing the saturation by 10% instead.



 68.1016, 0.3650,  
0.3565

 68.1016, 0.3650,  
0.3565


453.8559, 0.3403,  
0.3441

 49.9804, 0.3707,  
0.3592


 116.4975, 0.3564,  
0.3523

 35.3978, 0.3778,  
0.3625


147.5409, 0.3530,  
0.3506

 23.9695, 0.3869,  
0.3666


183.6606, 0.3502,  
0.3492

 15.3110, 0.3988,  
0.3717

225.2409, 0.3477,  
0.3479

 9.0379, 0.4152,  
0.3782

272.6662, 0.3455,  
0.3468

 4.7659, 0.4388,  
0.3866

326.3208, 0.3436,

 2.1106, 0.4781,

0.3458

0.3995

386.5893, 0.3419,  
0.3449

0.6706, 0.5754,  
0.4246

0.0000, 0.0000,  
0.0000

68.1016, 0.3650,  
0.3565

68.1016, 0.3650,  
0.3565

60.0752, 0.3901,  
0.3671

77.0437, 0.3432,  
0.3460

52.9248, 0.4186,  
0.3771

86.9209, 0.3246,  
0.3360

46.6211, 0.4501,  
0.3857

97.7166, 0.3091,  
0.3272

41.1296, 0.4834,  
0.3916

98.8817, 0.3090,  
0.3290

■ 36.4130, 0.5165,  
0.3936

■ 32.4301, 0.5469,  
0.3905

■ 29.1334, 0.5718,  
0.3821

■ 28.3489, 0.5778,  
0.3794

# Harmonies

## Analogous

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



68.1016, 0.3611, 0.3352



68.1016, 0.3650, 0.3565



68.1016, 0.3542, 0.3718

# Triad

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



68.1016, 0.3650, 0.3565



68.1016, 0.2820, 0.3448



68.1016, 0.2917, 0.2861

# Complementary

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



68.1016, 0.3650, 0.3565



69.4649, 0.2699, 0.2997

# 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.



68.1016, 0.2720, 0.2868



68.1016, 0.3650, 0.3565



68.1016, 0.2666, 0.3197

# Square

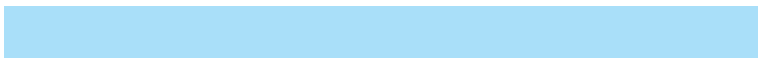
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1016, 0.3650, 0.3565



68.1016, 0.3059, 0.3660



68.1016, 0.2630, 0.2986



68.1016, 0.3179, 0.2957



# Rectangle

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



68.1016, 0.3650, 0.3565



68.1016, 0.3406, 0.3760



68.1016, 0.2630, 0.2986



68.1016, 0.2842, 0.2851

# Sweetspot

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



68.1047, 0.3650, 0.3565



90.9736, 0.3258, 0.3366



58.5881, 0.3354, 0.2845



19.1245, 0.3285, 0.3381



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.



68.1047, 0.3650, 0.3565



66.9049, 0.3790, 0.3626



85.7679, 0.3563, 0.3890



18.3121, 0.3284, 0.3381



15.4264, 0.5749, 0.3817

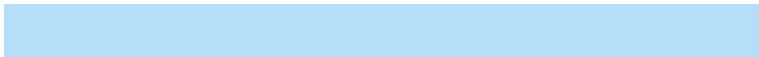


1.6264, 0.5527, 0.3994

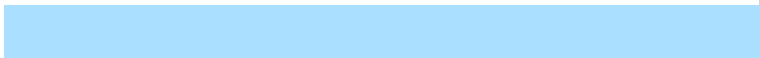


# Inverse Universe

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



69.4649, 0.2699, 0.2997



68.5581, 0.2610, 0.2926



53.5354, 0.2660, 0.2609



18.4295, 0.2980, 0.3197



16.2938, 0.1885, 0.1985

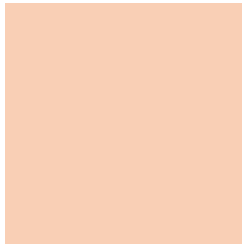


1.7139, 0.1933, 0.2158



# Previews

## White Background



This preview shows how the Yxy color 68.1016, 0.3650, 0.3565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

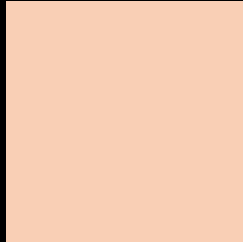
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.1016, 0.3650, 0.3565 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

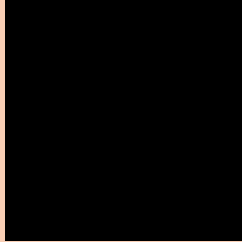
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.1016, 0.3650, 0.3565**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.1016, 0.3650, 0.3565.



This preview shows how white text looks on a background with the Yxy color 68.1016, 0.3650, 0.3565.

# 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

68.1016, 0.3650, 0.3565

### Protanopia

68.2724, 0.3420, 0.3624

### Deuteranopia

67.9183, 0.3642, 0.3566



## Tritanopia

68.1335, 0.3414, 0.3137

# Trichromacy



**Original Color**

68.1016, 0.3650, 0.3565

**Protanomaly**

68.0401, 0.3496, 0.3597

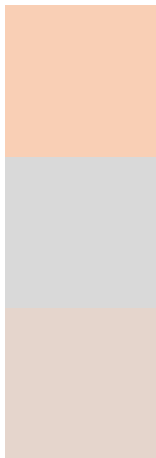
**Deuteranomaly**

67.9183, 0.3642, 0.3566

**Tritanomaly**

68.2408, 0.3503, 0.3291

# Monochromacy



**Original Color**

68.1016, 0.3650, 0.3565

**Achromatopsia**

69.3872, 0.3127, 0.3290

**Achromatomaly**

68.6061, 0.3310, 0.3389

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.1016, 0.3650, 0.3565 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(249, 207, 181)` looks like.

```
.text, #text, p{  
    color:rgb(249, 207, 181)  
}
```

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(249, 207, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 207, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 68.1016, 0.3650, 0.3565 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(249, 207, 181) }
```

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

```
.border{ border-color:rgb(249, 207, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 207, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 207, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 207, 181);  
box-shadow:4px 4px 4px 4px rgb(249, 207,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.1016, 0.3650, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 207, 181) }
```

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

```
.background{ background-color: rgb(249,  
207, 181) }
```

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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