

# Converting Colors

$Yxy(68.5520, 0.4023, 0.3679)$

Have a look what the booklet for  
Yxy(68.5520, 0.4023, 0.3679)  
contains.

<b>Yxy(65.1418, 0.3879, 0.3698)</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(65.1418, 0.3879, 0.3698)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC8A1
RGB	255, 200, 161
RGB Percent	100%, 78%, 63%
CMY	0.0000, 0.2157, 0.3687
CMYK	0.00, 0.22, 0.37, 0.00
HSL	25°, 100%, 82%
HSV	25°, 37%, 100%
XYZ	68.3302, 65.1418, 42.6821
YIQ	211.9990, 45.2990, -0.4690

# Conversions

## Conversions Part 2

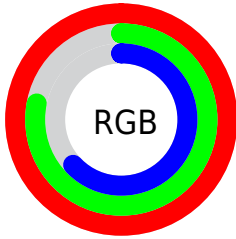
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 228, 161
Decimal	16763041
CIE <sub>Lab</sub>	84.56, 14.48, 27.00
CIE <sub>LCh</sub>	85, 30.639, 61.797
Yxy	65.1418, 0.3879, 0.3698
Android (android.graphics.Color)	4294953121 (0xFFFFC8A1)
YUV	211.9990, -25.1425, 37.7119
Hunter-Lab	80.7105, 9.8763, 25.1430

# Details

The Yxy color **65.1418, 0.3879, 0.3698** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **63.8979, 0.2545, 0.2838**, and the grayscale version is **65.9839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **33.5322, 0.4069, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **57.7563, 0.4154, 0.3807**, and if you desaturate by 10%, it is **73.3854, 0.3635, 0.3584**.

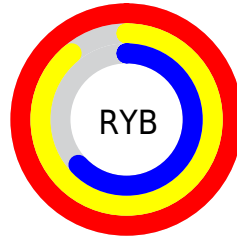
# Distribution



Red (100%)

Green (78%)

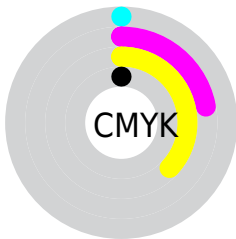
Blue (63%)



Red (100%)

Yellow (89%)

Blue (63%)

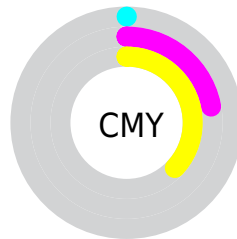


Cyan (0%)

Magenta (22%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.1418, 0.3879, 0.3698 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 65.1418, 0.3879, 0.3698 by changing the saturation by 10% instead.



 65.1418, 0.3879,  
0.3698

 65.1418, 0.3879,  
0.3698


443.3014, 0.3523,  
0.3517

 47.5761, 0.3962,  
0.3737


 112.2537, 0.3754,  
0.3637

 33.4913, 0.4064,  
0.3783

 142.5687, 0.3706,  
0.3613

 22.5031, 0.4194,  
0.3838


177.9021, 0.3664,  
0.3592

 14.2270, 0.4363,  
0.3904

218.6386, 0.3629,  
0.3573

 8.2787, 0.4591,  
0.3983

265.1623, 0.3597,  
0.3557

 4.2738, 0.4908,  
0.4067

317.8577, 0.3569,

 1.8279, 0.5652,

0.3542

0.4348

377.1093, 0.3545,  
0.3529

0.5045, 0.6228,  
0.3772

0.0000, 0.0000,  
0.0000

65.1418, 0.3879,  
0.3698

65.1418, 0.3879,  
0.3698

57.7563, 0.4154,  
0.3807

73.3854, 0.3635,  
0.3584

51.1977, 0.4456,  
0.3902

82.5151, 0.3422,  
0.3470

45.4338, 0.4773,  
0.3970

92.5584, 0.3238,  
0.3361

40.4293, 0.5089,  
0.3998

100.0000, 0.3127,  
0.3290

■ 36.1453, 0.5379,  
0.3975

■ 32.5373, 0.5619,  
0.3897

■ 31.5327, 0.5687,  
0.3867

# Harmonies

## Analogous

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



65.1418, 0.3846, 0.3396



65.1418, 0.3879, 0.3698



65.1418, 0.3700, 0.3919

# Triad

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



65.1418, 0.3879, 0.3698



65.1418, 0.2658, 0.3484



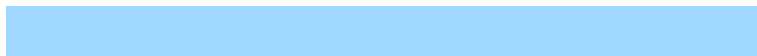
65.1418, 0.2853, 0.2690

# Complementary

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



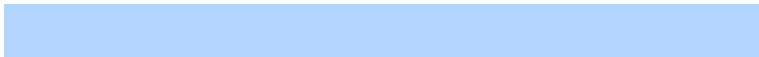
65.1418, 0.3879, 0.3698



63.8979, 0.2545, 0.2838

# 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.



65.1418, 0.2565, 0.2681



65.1418, 0.3879, 0.3698



65.1418, 0.2458, 0.3114

# Square

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



65.1418, 0.3879, 0.3698



65.1418, 0.2989, 0.3814



65.1418, 0.2425, 0.2825



65.1418, 0.3233, 0.2837



# Rectangle

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



65.1418, 0.3879, 0.3698



65.1418, 0.3491, 0.3978



65.1418, 0.2425, 0.2825



65.1418, 0.2743, 0.2670

# Sweetspot

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



65.1420, 0.3879, 0.3698



88.2971, 0.3311, 0.3405



51.7743, 0.3490, 0.2715



18.6073, 0.3336, 0.3420



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.



65.1420, 0.3879, 0.3698



59.7893, 0.4072, 0.3777



89.5001, 0.3714, 0.4129



19.2255, 0.3284, 0.3389



16.7545, 0.5658, 0.3890

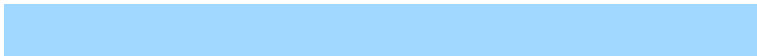


1.8408, 0.5454, 0.4052



# Inverse Universe

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



63.8979, 0.2545, 0.2838



58.3662, 0.2436, 0.2734



43.6896, 0.2465, 0.2282



19.1436, 0.2979, 0.3189



15.3342, 0.1852, 0.1867



1.7088, 0.1901, 0.2045



# Previews

## White Background



This preview shows how the Yxy color 65.1418, 0.3879, 0.3698 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 65.1418, 0.3879, 0.3698 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 65.1418, 0.3879, 0.3698**

## **Background**



This preview shows how black text looks on a background with the Yxy color 65.1418, 0.3879, 0.3698.



This preview shows how white text looks on a background with the Yxy color 65.1418, 0.3879, 0.3698.

# 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

65.1418, 0.3879, 0.3698

### Protanopia

65.3493, 0.3559, 0.3798

### Deuteranopia

65.3897, 0.3826, 0.3747



## Tritanopia

65.3433, 0.3503, 0.3158

# Trichromacy



## Original Color

65.1418, 0.3879, 0.3698

## Protanomaly

65.1389, 0.3675, 0.3763

## Deuteranomaly

65.2884, 0.3846, 0.3734

## Tritanomaly

64.9983, 0.3638, 0.3343

# Monochromacy



## Original Color

65.1418, 0.3879, 0.3698

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

65.4560, 0.3390, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.1418, 0.3879, 0.3698 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, 200, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 200, 161)  
}
```

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, 200, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 200, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 65.1418, 0.3879, 0.3698 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, 200, 161) }
```

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

```
.border{ border-color:rgb(255, 200, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 200, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 200, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 200, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 200,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.1418, 0.3879, 0.3698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 200, 161) }
```

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

```
.background{ background-color: rgb(255,  
200, 161) }
```

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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