

# Converting Colors

$Yxy(68.4259, 0.3910, 0.3854)$

Have a look what the booklet for  
Yxy(68.4259, 0.3910, 0.3854)  
contains.

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# Color

**Yxy(68.6717, 0.3908, 0.3859)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD099
RGB	255, 208, 153
RGB Percent	100%, 82%, 60%
CMY	0.0001, 0.1843, 0.3999
CMYK	0.00, 0.18, 0.40, 0.00
HSL	32°, 100%, 80%
HSV	32°, 40%, 100%
XYZ	69.5437, 68.6717, 39.7367
YIQ	215.7830, 45.6670, -7.1410

# Conversions

## Conversions Part 2

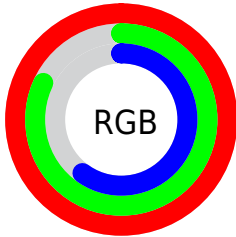
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 255, 153
Decimal	16765081
CIE <sub>Lab</sub>	86.34, 9.42, 33.53
CIE <sub>LCh</sub>	86, 34.825, 74.299
Yxy	68.6717, 0.3908, 0.3859
Android (android.graphics.Color)	4294955161 (0xFFFFD099)
YUV	215.7830, -30.9520, 34.3933
Hunter-Lab	82.8684, 4.7786, 29.5774

# Details

The Yxy color **68.6717, 0.3908, 0.3859** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.3035, 0.2472, 0.2637**, and the grayscale version is **68.7078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **35.9211, 0.4097, 0.3985** is the 20% darker color. If you saturate the color by 10%, you get **62.4018, 0.4155, 0.3995**, and if you desaturate by 10%, it is **75.5525, 0.3679, 0.3714**.

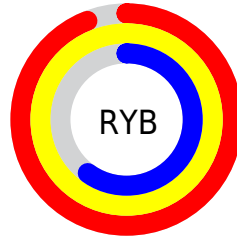
# Distribution



Red (100%)

Green (82%)

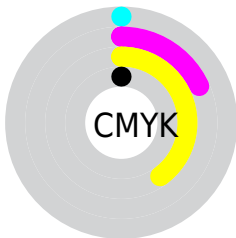
Blue (60%)



Red (94%)

Yellow (100%)

Blue (60%)

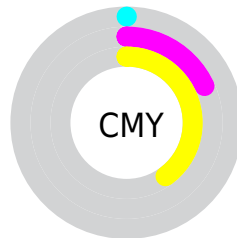


Cyan (0%)

Magenta (18%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6717, 0.3908, 0.3859 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 68.6717, 0.3908, 0.3859 by changing the saturation by 10% instead.



 68.6717, 0.3908,  
0.3859


 68.6717, 0.3908,  
0.3859


455.8722, 0.3544,  
0.3605

 50.4444, 0.3990,  
0.3914


 117.3125, 0.3782,  
0.3773

 35.7666, 0.4091,  
0.3979


 148.4949, 0.3733,  
0.3739

 24.2540, 0.4216,  
0.4057


184.7643, 0.3691,  
0.3710

 15.5222, 0.4376,  
0.4152

226.5053, 0.3654,  
0.3683

 9.1867, 0.4583,  
0.4265

274.1022, 0.3622,  
0.3660

 4.8631, 0.4856,  
0.4393

327.9393, 0.3593,

 2.1672, 0.5363,

0.3640

0.4637

388.4012, 0.3567,  
0.3621

0.7020, 0.5614,  
0.4386

0.0000, 0.0000,  
0.0000

68.6717, 0.3908,  
0.3859

68.6717, 0.3908,  
0.3859

62.4018, 0.4155,  
0.3995

75.5525, 0.3679,  
0.3714

56.7123, 0.4415,  
0.4112

83.0538, 0.3473,  
0.3567

51.5842, 0.4675,  
0.4197

91.1973, 0.3289,  
0.3425

46.9928, 0.4922,  
0.4237

99.9975, 0.3127,  
0.3290

■ 42.9104, 0.5139,  
0.4224

■ 39.2977, 0.5319,  
0.4159

■ 39.2932, 0.5319,  
0.4159

# Harmonies

## Analogous

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



68.6717, 0.3977, 0.3548



68.6717, 0.3908, 0.3859



68.6717, 0.3625, 0.4045

# Triad

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



68.6717, 0.3908, 0.3859



68.6717, 0.2492, 0.3328



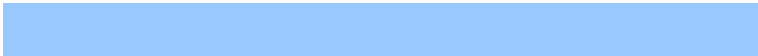
68.6717, 0.2989, 0.2677

# Complementary

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



68.6717, 0.3908, 0.3859



55.3035, 0.2472, 0.2637

# 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.



68.6717, 0.2617, 0.2599



68.6717, 0.3908, 0.3859



68.6717, 0.2346, 0.2939

# Square

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



68.6717, 0.3908, 0.3859



68.6717, 0.2805, 0.3741



68.6717, 0.2391, 0.2684



68.6717, 0.3425, 0.2893



# Rectangle

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



68.6717, 0.3908, 0.3859



68.6717, 0.3360, 0.4053



68.6717, 0.2391, 0.2684



68.6717, 0.2853, 0.2634

# Sweetspot

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



68.6749, 0.3908, 0.3859



89.5159, 0.3324, 0.3453



48.2468, 0.3662, 0.2799



18.9281, 0.3348, 0.3472



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.



68.6749, 0.3908, 0.3859



63.6085, 0.4105, 0.3969



94.4311, 0.3704, 0.4292



19.6099, 0.3281, 0.3418



20.8362, 0.5295, 0.4177



2.2474, 0.5135, 0.4305

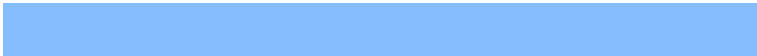


# Inverse Universe

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



55.3035, 0.2472, 0.2637



48.5664, 0.2340, 0.2478



37.1202, 0.2404, 0.2064



18.7569, 0.2979, 0.3158



10.7709, 0.1735, 0.1445



1.2644, 0.1795, 0.1660



# Previews

## White Background



This preview shows how the Yxy color 68.6717, 0.3908, 0.3859 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 68.6717, 0.3908, 0.3859 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 68.6717, 0.3908, 0.3859**

## Background



This preview shows how black text looks on a background with the Yxy color 68.6717, 0.3908, 0.3859.



This preview shows how white text looks on a background with the Yxy color 68.6717, 0.3908, 0.3859.

# 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

68.6717, 0.3908, 0.3859

### Protanopia

68.8357, 0.3680, 0.3948

### Deuteranopia

68.8404, 0.3871, 0.3808



## Tritanopia

68.4074, 0.3445, 0.3158

# Trichromacy



**Original Color**

68.6717, 0.3908, 0.3859

**Protanomaly**

68.6558, 0.3761, 0.3914

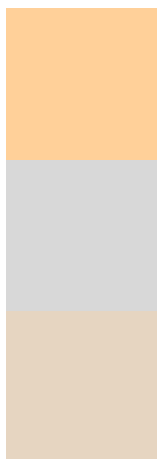
**Deuteranomaly**

68.7721, 0.3886, 0.3829

**Tritanomaly**

68.2515, 0.3620, 0.3416

# Monochromacy



**Original Color**

68.6717, 0.3908, 0.3859

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

68.2617, 0.3397, 0.3510

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.6717, 0.3908, 0.3859 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, 208, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 153)  
}
```

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, 208, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 68.6717, 0.3908, 0.3859 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, 208, 153) }
```

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

```
.border{ border-color:rgb(255, 208, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 208, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.6717, 0.3908, 0.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 208, 153) }
```

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

```
.background{ background-color: rgb(255,  
208, 153) }
```

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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