

# Converting Colors

$Yxy(68.6398, 0.3944, 0.3912)$

Have a look what the booklet for  
Yxy(68.6398, 0.3944, 0.3912)  
contains.

<b>Yxy(68.5099, 0.3945, 0.3909)</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(68.5099, 0.3945, 0.3909)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD094
RGB	255, 208, 148
RGB Percent	100%, 82%, 58%
CMY	0.0000, 0.1843, 0.4195
CMYK	0.00, 0.18, 0.42, 0.00
HSL	34°, 100%, 79%
HSV	34°, 42%, 100%
XYZ	69.1408, 68.5099, 37.6112
YIQ	215.2130, 47.2720, -8.6960

# Conversions

## Conversions Part 2

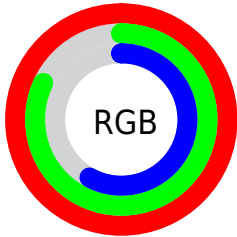
Format	Color
R <sub>Y</sub> B	232, 255, 148
Decimal	16765076
CIE Lab	86.26, 8.90, 35.98
CIE LCh	86, 37.066, 76.108
Yxy	68.5099, 0.3945, 0.3909
Android (android.graphics.Color)	4294955156 (0xFFFFD094)
YUV	215.2130, -33.1360, 34.8932
Hunter-Lab	82.7707, 4.2576, 30.9980

# Details

The Yxy color **68.5099, 0.3945, 0.3909** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.5578, 0.2435, 0.2570**, and the grayscale version is **68.3151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **35.6915, 0.4133, 0.4049** is the 20% darker color. If you saturate the color by 10%, you get **62.5215, 0.4189, 0.4047**, and if you desaturate by 10%, it is **75.0684, 0.3717, 0.3760**.

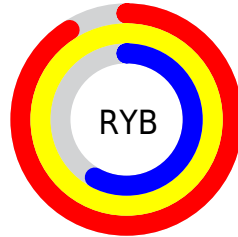
# Distribution



Red (100%)

Green (82%)

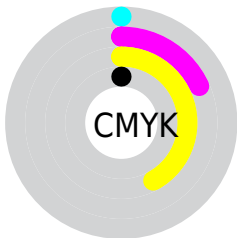
Blue (58%)



Red (91%)

Yellow (100%)

Blue (58%)

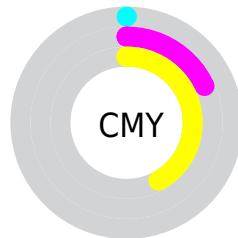


Cyan (0%)

Magenta (18%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (18%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.5099, 0.3945, 0.3909 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 68.5099, 0.3945, 0.3909 by changing the saturation by 10% instead.





 68.5099, 0.3945,  
0.3909

 68.5099, 0.3945,  
0.3909


455.3005, 0.3565,  
0.3633

 50.3127, 0.4030,  
0.3968


 117.0813, 0.3814,  
0.3816

 35.6619, 0.4134,  
0.4038


 148.2243, 0.3763,  
0.3779

 24.1732, 0.4263,  
0.4122


184.4512, 0.3719,  
0.3747

 15.4621, 0.4426,  
0.4223


226.1467, 0.3680,  
0.3718

 9.1444, 0.4635,  
0.4341

273.6949, 0.3646,  
0.3693

 4.8355, 0.4916,  
0.4482

327.4804, 0.3616,

 2.1511, 0.5338,

0.3671

0.4662

387.8874, 0.3589,  
0.3651

0.6931, 0.5584,  
0.4416

0.0000, 0.0000,  
0.0000

68.5099, 0.3945,  
0.3909

68.5099, 0.3945,  
0.3909

62.5215, 0.4189,  
0.4047

75.0684, 0.3717,  
0.3760

57.0738, 0.4441,  
0.4164

82.2057, 0.3509,  
0.3608

52.1487, 0.4690,  
0.4245

89.9424, 0.3322,  
0.3459

47.7223, 0.4921,  
0.4280

98.2949, 0.3157,  
0.3317

■ 43.7677, 0.5120,  
0.4261

99.9982, 0.3127,  
0.3290

■ 40.8965, 0.5255,  
0.4209

# Harmonies

## Analogous

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



68.5099, 0.4035, 0.3582



68.5099, 0.3945, 0.3909



68.5099, 0.3631, 0.4100

# Triad

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



68.5099, 0.3945, 0.3909



68.5099, 0.2437, 0.3302



68.5099, 0.3007, 0.2651

# Complementary

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



68.5099, 0.3945, 0.3909



52.5578, 0.2435, 0.2570

# 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.



68.5099, 0.2605, 0.2558



68.5099, 0.3945, 0.3909



68.5099, 0.2297, 0.2893

# Square

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



68.5099, 0.3945, 0.3909



68.5099, 0.2759, 0.3748



68.5099, 0.2356, 0.2635



68.5099, 0.3471, 0.2886



# Rectangle

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



68.5099, 0.3945, 0.3909



68.5099, 0.3346, 0.4100



68.5099, 0.2356, 0.2635



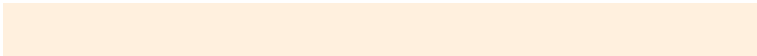
68.5099, 0.2860, 0.2603

# Sweetspot

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



68.5131, 0.3945, 0.3909



89.1042, 0.3341, 0.3474



46.4428, 0.3717, 0.2793



18.6983, 0.3381, 0.3507



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.



68.5131, 0.3945, 0.3909



63.6484, 0.4140, 0.4022



93.9112, 0.3718, 0.4343



19.6769, 0.3280, 0.3423



21.6738, 0.5233, 0.4227

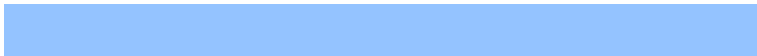


2.3281, 0.5082, 0.4347



# Inverse Universe

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



52.5578, 0.2435, 0.2570



45.8475, 0.2300, 0.2402



35.2207, 0.2374, 0.1998



18.6908, 0.2979, 0.3153



10.1152, 0.1716, 0.1377



1.1980, 0.1777, 0.1596



# Previews

## White Background



This preview shows how the Yxy color 68.5099, 0.3945, 0.3909 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

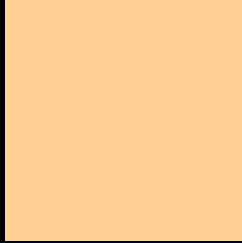
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.5099, 0.3945, 0.3909 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

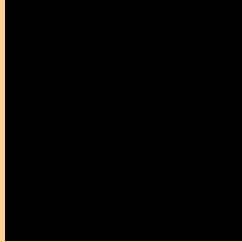
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.5099, 0.3945, 0.3909**

## Background



This preview shows how black text looks on a background with the Yxy color 68.5099, 0.3945, 0.3909.



This preview shows how white text looks on a background with the Yxy color 68.5099, 0.3945, 0.3909.

# 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

68.5099, 0.3945, 0.3909

### Protanopia

68.6697, 0.3715, 0.4002

### Deuteranopia

68.7383, 0.3893, 0.3839



## Tritanopia

68.4074, 0.3445, 0.3158

## Trichromacy



**Original Color**

68.5099, 0.3945, 0.3909

**Protanomaly**

68.4913, 0.3797, 0.3966

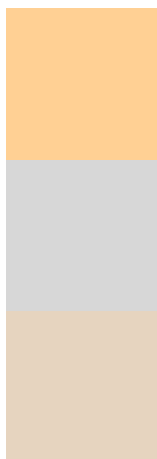
**Deuteranomaly**

68.6387, 0.3916, 0.3869

**Tritanomaly**

68.2073, 0.3628, 0.3426

## Monochromacy



**Original Color**

68.5099, 0.3945, 0.3909

**Achromatopsia**

67.9542, 0.3127, 0.3290

**Achromatomaly**

67.6715, 0.3413, 0.3522

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.5099, 0.3945, 0.3909 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 148) }
```

## Border

The CSS property to change the border of an element to Yxy 68.5099, 0.3945, 0.3909 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, 148) }
```

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

```
.border{ border-color:rgb(255, 208, 148) }
```

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, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 148);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
148) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.5099, 0.3945, 0.3909 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, 148) }
```

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

```
.background{ background-color: rgb(255,  
208, 148) }
```

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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