

# Converting Colors

$Yxy(68.9947, 0.3865, 0.3805)$

Have a look what the booklet for  
Yxy(68.9947, 0.3865, 0.3805)  
contains.

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# Color

**Yxy(68.8750, 0.3863, 0.3798)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD09F
RGB	255, 208, 159
RGB Percent	100%, 82%, 62%
CMY	0.0000, 0.1843, 0.3763
CMYK	0.00, 0.18, 0.38, 0.00
HSL	31°, 100%, 81%
HSV	31°, 38%, 100%
XYZ	70.0537, 68.8750, 42.4167
YIQ	216.4670, 43.7410, -5.2750

# Conversions

## Conversions Part 2

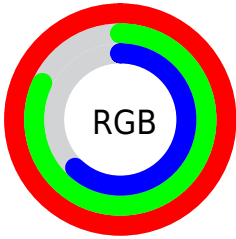
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	251, 255, 159
Decimal	16765087
CIE <sub>Lab</sub>	86.44, 10.09, 30.56
CIE <sub>LCh</sub>	86, 32.178, 71.729
Yxy	68.8750, 0.3863, 0.3798
Android (android.graphics.Color)	4294955167 (0xFFFFD09F)
YUV	216.4670, -28.3312, 33.7934
Hunter-Lab	82.9910, 5.4400, 27.7905

# Details

The Yxy color **68.8750, 0.3863, 0.3798** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.7442, 0.2517, 0.2717**, and the grayscale version is **69.1823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6350, 0.3370, 0.3691**, and **36.0431, 0.4039, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **62.2315, 0.4114, 0.3930**, and if you desaturate by 10%, it is **76.1868, 0.3634, 0.3659**.

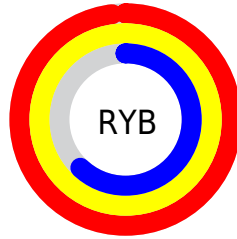
# Distribution



Red (100%)

Green (82%)

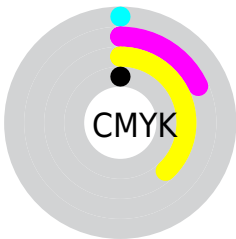
Blue (62%)



Red (98%)

Yellow (100%)

Blue (62%)

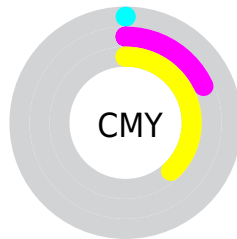


Cyan (0%)

Magenta (18%)

Yellow (38%)

Black (0%)



Cyan (0%)

Magenta (18%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.8750, 0.3863, 0.3798 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 68.8750, 0.3863, 0.3798 by changing the saturation by 10% instead.



 68.8750, 0.3863,  
0.3798

 68.8750, 0.3863,  
0.3798


456.5900, 0.3519,  
0.3571

 50.6099, 0.3941,  
0.3847


 117.6030, 0.3744,  
0.3721

 35.8983, 0.4037,  
0.3905


 148.8347, 0.3697,  
0.3691

 24.3556, 0.4158,  
0.3976


185.1575, 0.3657,  
0.3664

 15.5976, 0.4312,  
0.4063

226.9556, 0.3623,  
0.3641

 9.2399, 0.4516,  
0.4168

274.6135, 0.3592,  
0.3620

 4.8980, 0.4789,  
0.4289

328.5156, 0.3565,

 2.1875, 0.5395,

0.3602

0.4605

389.0463, 0.3541,  
0.3586

0.7132, 0.5651,  
0.4349

0.0000, 0.0000,  
0.0000

68.8750, 0.3863,  
0.3798

68.8750, 0.3863,  
0.3798

62.2315, 0.4114,  
0.3930

76.1868, 0.3634,  
0.3659

56.2244, 0.4382,  
0.4046

84.1783, 0.3430,  
0.3521

50.8329, 0.4656,  
0.4134

92.8724, 0.3249,  
0.3387

46.0310, 0.4922,  
0.4179

99.9984, 0.3127,  
0.3290

■ 41.7895, 0.5162,  
0.4172

■ 38.0735, 0.5361,  
0.4109

■ 37.2614, 0.5405,  
0.4090

# Harmonies

## Analogous

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



68.8750, 0.3905, 0.3505



68.8750, 0.3863, 0.3798



68.8750, 0.3617, 0.3980

# Triad

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



68.8750, 0.3863, 0.3798



68.8750, 0.2558, 0.3361



68.8750, 0.2968, 0.2709

# Complementary

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



68.8750, 0.3863, 0.3798



58.7442, 0.2517, 0.2717

# 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.



68.8750, 0.2631, 0.2649



68.8750, 0.3863, 0.3798



68.8750, 0.2407, 0.2995

# Square

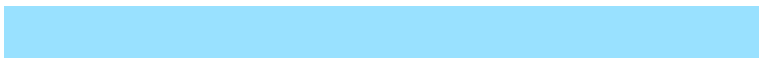
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8750, 0.3863, 0.3798



68.8750, 0.2861, 0.3732



68.8750, 0.2434, 0.2744



68.8750, 0.3369, 0.2900



# Rectangle

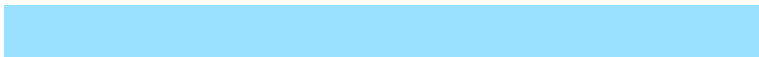
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.8750, 0.3863, 0.3798



68.8750, 0.3378, 0.3996



68.8750, 0.2434, 0.2744



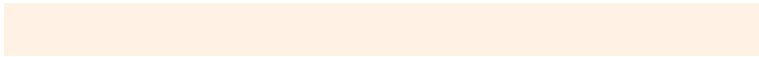
68.8750, 0.2844, 0.2673

# Sweetspot

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



68.8782, 0.3863, 0.3798



89.8715, 0.3308, 0.3431



50.5714, 0.3589, 0.2796



18.9819, 0.3332, 0.3449



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.



68.8782, 0.3863, 0.3798



63.9229, 0.4046, 0.3897



95.2774, 0.3694, 0.4228



19.5199, 0.3281, 0.3411



19.7713, 0.5380, 0.4110



2.1438, 0.5208, 0.4247



# Inverse Universe

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



58.7442, 0.2517, 0.2717



52.4933, 0.2396, 0.2581



39.4011, 0.2432, 0.2141



18.8463, 0.2979, 0.3166



11.7142, 0.1761, 0.1539



1.3585, 0.1819, 0.1748



# Previews

## White Background



This preview shows how the Yxy color 68.8750, 0.3863, 0.3798 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

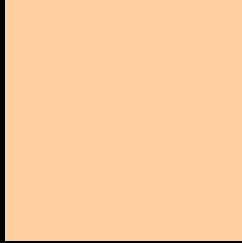
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 68.8750, 0.3863, 0.3798 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 68.8750, 0.3863, 0.3798**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.8750, 0.3863, 0.3798.



This preview shows how white text looks on a background with the Yxy color 68.8750, 0.3863, 0.3798.

# 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

68.8750, 0.3863, 0.3798

### Protanopia

68.9119, 0.3622, 0.3873

### Deuteranopia

68.9450, 0.3848, 0.3778



## Tritanopia

68.9297, 0.3436, 0.3158

# Trichromacy



## Original Color

68.8750, 0.3863, 0.3798

## Protanomaly

68.7224, 0.3703, 0.3841

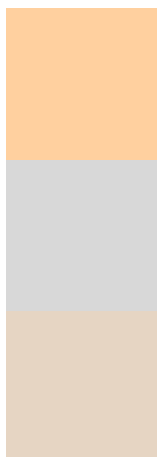
## Deuteranomaly

68.9098, 0.3856, 0.3788

## Tritanomaly

68.8628, 0.3595, 0.3395

# Monochromacy



## Original Color

68.8750, 0.3863, 0.3798

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

68.3516, 0.3382, 0.3488

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.8750, 0.3863, 0.3798 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, 159)` looks like.

```
.text, #text, p{  
    color:rgb(255, 208, 159)  
}
```

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, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 208, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 68.8750, 0.3863, 0.3798 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, 159) }
```

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

```
.border{ border-color:rgb(255, 208, 159) }
```

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, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 208, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 208, 159);  
box-shadow:4px 4px 4px 4px rgb(255, 208,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.8750, 0.3863, 0.3798 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, 159) }
```

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

```
.background{ background-color: rgb(255,  
208, 159) }
```

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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