

# Converting Colors

$Y_{xy}(79.4433, 0.4247, 0.3634)$

Have a look what the booklet for  
Yxy(79.4433, 0.4247, 0.3634)  
contains.

<b>Yxy(67.6758, 0.3821, 0.3696)</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(67.6758, 0.3821, 0.3696)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCDA6
RGB	255, 205, 166
RGB Percent	100%, 80%, 65%
CMY	0.0000, 0.1961, 0.3489
CMYK	0.00, 0.20, 0.35, 0.00
HSL	26°, 100%, 83%
HSV	26°, 35%, 100%
XYZ	69.9646, 67.6758, 45.4651
YIQ	215.5040, 42.3190, -1.5290

# Conversions

## Conversions Part 2

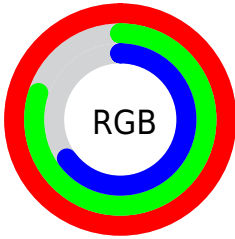
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 235, 166
Decimal	16764326
CIE Lab	85.84, 12.47, 26.11
CIE LCh	86, 28.934, 64.461
Yxy	67.6758, 0.3821, 0.3696
Android (android.graphics.Color)	4294954406 (0xFFFFCDA6)
YUV	215.5040, -24.4055, 34.6380
Hunter-Lab	82.2653, 7.8456, 24.8182

# Details

The Yxy color **67.6758, 0.3821, 0.3696** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **64.4612, 0.2573, 0.2842**, and the grayscale version is **68.4600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **35.2184, 0.3988, 0.3783** is the 20% darker color. If you saturate the color by 10%, you get **60.2823, 0.4084, 0.3813**, and if you desaturate by 10%, it is **75.8778, 0.3587, 0.3575**.

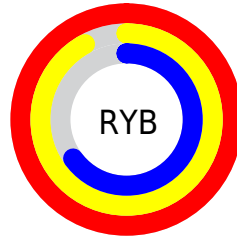
# Distribution



Red (100%)

Green (80%)

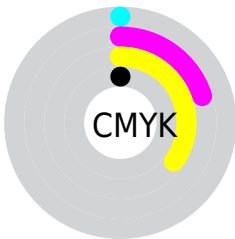
Blue (65%)



Red (100%)

Yellow (92%)

Blue (65%)

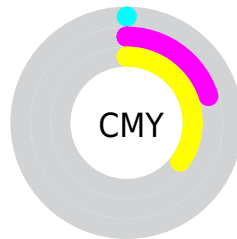


Cyan (0%)

Magenta (20%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.6758, 0.3821, 0.3696 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 67.6758, 0.3821, 0.3696 by changing the saturation by 10% instead.





 67.6758, 0.3821,  
0.3696

 67.6758, 0.3821,  
0.3696


452.3465, 0.3494,  
0.3515

 49.6340, 0.3896,  
0.3735


 115.8882, 0.3707,  
0.3635

 35.1227, 0.3989,  
0.3782


 146.8277, 0.3663,  
0.3611

 23.7574, 0.4107,  
0.3838


182.8351, 0.3625,  
0.3590

 15.1538, 0.4260,  
0.3908

224.2950, 0.3592,  
0.3571

 8.9274, 0.4466,  
0.3992

271.5917, 0.3563,  
0.3555

 4.6938, 0.4752,  
0.4091

325.1096, 0.3537,

 2.0688, 0.5424,

0.3540

0.4396

385.2330, 0.3515,  
0.3527

0.6470, 0.5876,  
0.4124

0.0000, 0.0000,  
0.0000

67.6758, 0.3821,  
0.3696

67.6758, 0.3821,  
0.3696

60.2823, 0.4084,  
0.3813

75.8778, 0.3587,  
0.3575

53.6773, 0.4373,  
0.3917

84.9224, 0.3382,  
0.3456

47.8286, 0.4679,  
0.3997

94.8319, 0.3205,  
0.3343

42.7040, 0.4985,  
0.4039

100.0000, 0.3127,  
0.3290

■ 38.2683, 0.5270,  
0.4031

■ 34.4816, 0.5513,  
0.3968

■ 32.7759, 0.5620,  
0.3919

# Harmonies

## Analogous

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



67.6758, 0.3808, 0.3418



67.6758, 0.3821, 0.3696



67.6758, 0.3640, 0.3889

# Triad

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



67.6758, 0.3821, 0.3696



67.6758, 0.2667, 0.3441



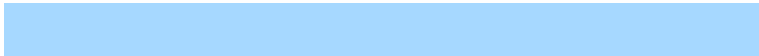
67.6758, 0.2901, 0.2735

# Complementary

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



67.6758, 0.3821, 0.3696



64.4612, 0.2573, 0.2842

# 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.



67.6758, 0.2620, 0.2715



67.6758, 0.3821, 0.3696



67.6758, 0.2491, 0.3099

# Square

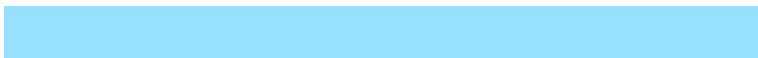
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.6758, 0.3821, 0.3696



67.6758, 0.2969, 0.3754



67.6758, 0.2475, 0.2839



67.6758, 0.3259, 0.2883



# Rectangle

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



67.6758, 0.3821, 0.3696



67.6758, 0.3439, 0.3932



67.6758, 0.2475, 0.2839



67.6758, 0.2795, 0.2713

# Sweetspot

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



67.6732, 0.3821, 0.3696



89.6588, 0.3292, 0.3400



53.5243, 0.3490, 0.2775



18.8948, 0.3317, 0.3416



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.



67.6732, 0.3821, 0.3696



62.3364, 0.4005, 0.3780



91.8081, 0.3673, 0.4111



19.2959, 0.3283, 0.3394



17.4112, 0.5592, 0.3942

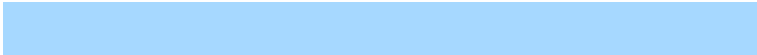


1.9082, 0.5394, 0.4099

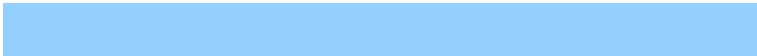


# Inverse Universe

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



64.4612, 0.2573, 0.2842



58.6662, 0.2461, 0.2733



44.8205, 0.2501, 0.2310



19.0718, 0.2979, 0.3183



14.3918, 0.1830, 0.1786



1.6189, 0.1881, 0.1973



# Previews

## White Background



This preview shows how the Yxy color 67.6758, 0.3821, 0.3696 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 67.6758, 0.3821, 0.3696 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

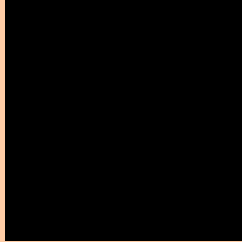
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.6758, 0.3821, 0.3696**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.6758, 0.3821, 0.3696.



This preview shows how white text looks on a background with the Yxy color 67.6758, 0.3821, 0.3696.

# 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

67.6758, 0.3821, 0.3696

### Protanopia

68.1612, 0.3551, 0.3790

### Deuteranopia

67.5912, 0.3793, 0.3710



## Tritanopia

67.8883, 0.3455, 0.3158

# Trichromacy



## Original Color

67.6758, 0.3821, 0.3696

## Protanomaly

67.6302, 0.3641, 0.3747

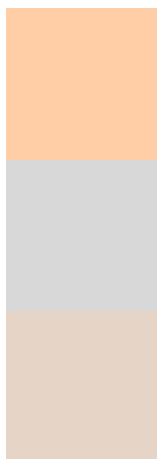
## Deuteranomaly

67.7784, 0.3801, 0.3709

## Tritanomaly

67.5323, 0.3586, 0.3343

# Monochromacy



## Original Color

67.6758, 0.3821, 0.3696

## Achromatopsia

68.6685, 0.3127, 0.3290

## Achromatomaly

67.9872, 0.3362, 0.3444

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.6758, 0.3821, 0.3696 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, 205, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 166)  
}
```

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, 205, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 67.6758, 0.3821, 0.3696 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, 205, 166) }
```

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

```
.border{ border-color:rgb(255, 205, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.6758, 0.3821, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 166) }
```

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

```
.background{ background-color: rgb(255,  
205, 166) }
```

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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