

# Converting Colors

$Y_{xy}(112.7606, 0.4922, 0.3540)$

Have a look what the booklet for  
Yxy(112.7606, 0.4922, 0.3540)  
contains.

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# Color

**Yxy(68.1192, 0.3825, 0.3717)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFCEA5
RGB	255, 206, 165
RGB Percent	100%, 81%, 65%
CMY	0.0001, 0.1921, 0.3530
CMYK	0.00, 0.19, 0.35, 0.00
HSL	27°, 100%, 82%
HSV	27°, 35%, 100%
XYZ	70.0985, 68.1192, 45.0463
YIQ	215.9770, 42.3650, -2.3630

# Conversions

## Conversions Part 2

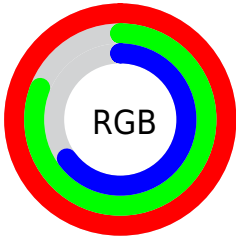
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 240, 165
Decimal	16764581
CIE <sub>Lab</sub>	86.07, 11.81, 26.95
CIE <sub>LCh</sub>	86, 29.422, 66.344
Yxy	68.1192, 0.3825, 0.3717
Android (android.graphics.Color)	4294954661 (0xFFFFCEA5)
YUV	215.9770, -25.1317, 34.2232
Hunter-Lab	82.5344, 7.1693, 25.4143

# Details

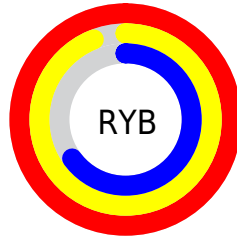
The Yxy color  $68.1192, 0.3825, 0.3717$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $63.2936, 0.2564, 0.2817$ , and the grayscale version is  $68.8065, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.9473, 0.3333, 0.3631$ , and  $35.5190, 0.3992, 0.3808$  is the 20% darker color. If you saturate the color by 10%, you get  $60.8952, 0.4085, 0.3838$ , and if you desaturate by 10%, it is  $76.1246, 0.3593, 0.3592$ .

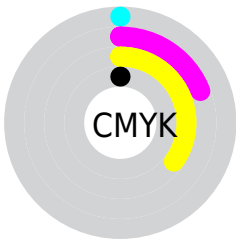
# Distribution



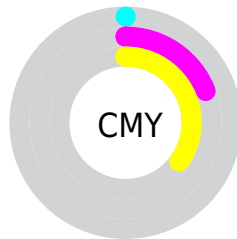
- Red (100%)
- Green (81%)
- Blue (65%)



- Red (100%)
- Yellow (94%)
- Blue (65%)



- Cyan (0%)
- Magenta (19%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (19%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 68.1192, 0.3825, 0.3717 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 68.1192, 0.3825, 0.3717 by changing the saturation by 10% instead.




 68.1192, 0.3825,  
0.3717

 68.1192, 0.3825,  
0.3717


453.9182, 0.3497,  
0.3526

 49.9947, 0.3900,  
0.3758


 116.5227, 0.3711,  
0.3653

 35.4092, 0.3993,  
0.3807


 147.5704, 0.3666,  
0.3627

 23.9783, 0.4111,  
0.3867


183.6947, 0.3628,  
0.3605

 15.3175, 0.4263,  
0.3940

225.2800, 0.3595,  
0.3585

 9.0425, 0.4467,  
0.4030

272.7105, 0.3566,  
0.3568

 4.7689, 0.4748,  
0.4134

326.3708, 0.3540,

 2.1123, 0.5425,

0.3553

0.4464

386.6453, 0.3518,  
0.3539

0.6715, 0.5805,  
0.4195

0.0000, 0.0000,  
0.0000

68.1192, 0.3825,  
0.3717

68.1192, 0.3825,  
0.3717

60.8952, 0.4085,  
0.3838

76.1246, 0.3593,  
0.3592

54.4167, 0.4368,  
0.3946

84.9265, 0.3389,  
0.3468

48.6589, 0.4666,  
0.4029

94.5516, 0.3211,  
0.3350

43.5915, 0.4963,  
0.4073

99.9975, 0.3127,  
0.3290

■ 39.1810, 0.5238,  
0.4067

■ 35.3894, 0.5472,  
0.4005

■ 33.8003, 0.5568,  
0.3961

# Harmonies

## Analogous

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



68.1192, 0.3825, 0.3438



68.1192, 0.3825, 0.3717



68.1192, 0.3630, 0.3905

# Triad

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



68.1192, 0.3825, 0.3717



68.1192, 0.2645, 0.3420



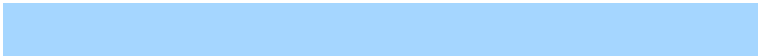
68.1192, 0.2919, 0.2733

# Complementary

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



68.1192, 0.3825, 0.3717



63.2936, 0.2564, 0.2817

# 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.



68.1192, 0.2627, 0.2704



68.1192, 0.3825, 0.3717



68.1192, 0.2476, 0.3076

# Square

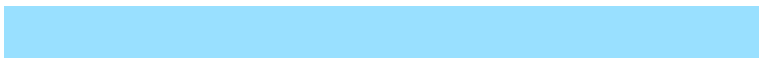
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.1192, 0.3825, 0.3717



68.1192, 0.2944, 0.3745



68.1192, 0.2471, 0.2820



68.1192, 0.3284, 0.2891



# Rectangle

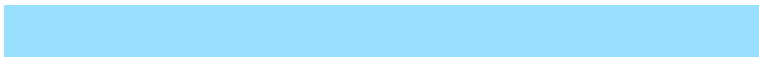
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.1192, 0.3825, 0.3717



68.1192, 0.3422, 0.3941



68.1192, 0.2471, 0.2820



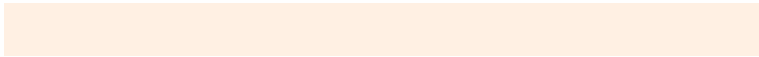
68.1192, 0.2810, 0.2708

# Sweetspot

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



68.1224, 0.3825, 0.3717



88.9678, 0.3309, 0.3416



53.0449, 0.3510, 0.2783



18.7668, 0.3334, 0.3433



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.



68.1224, 0.3825, 0.3717



63.1992, 0.3996, 0.3799



92.6480, 0.3675, 0.4133



19.3510, 0.3283, 0.3399



17.9534, 0.5540, 0.3983

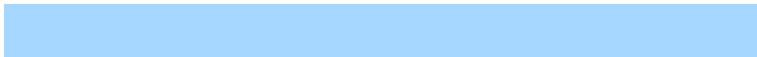


1.9632, 0.5348, 0.4135



# Inverse Universe

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



63.2936, 0.2564, 0.2817



57.7372, 0.2457, 0.2710



43.7768, 0.2490, 0.2278



19.0160, 0.2979, 0.3179



13.6886, 0.1812, 0.1724



1.5513, 0.1866, 0.1916



# Previews

## White Background



This preview shows how the Yxy color 68.1192, 0.3825, 0.3717 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 68.1192, 0.3825, 0.3717 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

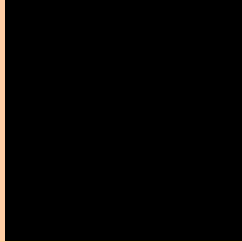
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 68.1192, 0.3825, 0.3717**

## **Background**



This preview shows how black text looks on a background with the Yxy color 68.1192, 0.3825, 0.3717.



This preview shows how white text looks on a background with the Yxy color 68.1192, 0.3825, 0.3717.

# 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

68.1192, 0.3825, 0.3717

### Protanopia

68.1235, 0.3558, 0.3801

### Deuteranopia

68.2249, 0.3805, 0.3729



## Tritanopia

67.9396, 0.3447, 0.3148

# Trichromacy



**Original Color**

68.1192, 0.3825, 0.3717

**Protanomaly**

68.0913, 0.3646, 0.3769

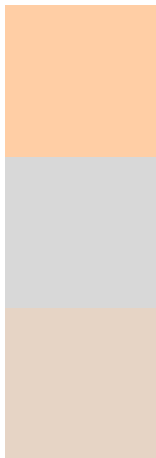
**Deuteranomaly**

68.4131, 0.3813, 0.3728

**Tritanomaly**

68.0031, 0.3584, 0.3353

# Monochromacy



**Original Color**

68.1192, 0.3825, 0.3717

**Achromatopsia**

68.6685, 0.3127, 0.3290

**Achromatomaly**

67.9412, 0.3369, 0.3455

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 68.1192, 0.3825, 0.3717 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, 206, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 165)  
}
```

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, 206, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 68.1192, 0.3825, 0.3717 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, 206, 165) }
```

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

```
.border{ border-color:rgb(255, 206, 165) }
```

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

Here you see how a box with a 4 pixel rgb(255, 206, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 68.1192, 0.3825, 0.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 165) }
```

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

```
.background{ background-color: rgb(255,  
206, 165) }
```

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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