

# Converting Colors

$Yxy(66.7969, 0.3923, 0.3819)$

Have a look what the booklet for  
Yxy(66.7969, 0.3923, 0.3819)  
contains.

<b>Yxy(66.7456, 0.3925, 0.3820)</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(66.7456, 0.3925, 0.3820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCC99
RGB	255, 204, 153
RGB Percent	100%, 80%, 60%
CMY	0.0000, 0.2000, 0.4000
CMYK	0.00, 0.20, 0.40, 0.00
HSL	30°, 100%, 80%
HSV	30°, 40%, 100%
XYZ	68.5802, 66.7456, 39.4009
YIQ	213.4350, 46.7670, -5.0490

# Conversions

## Conversions Part 2

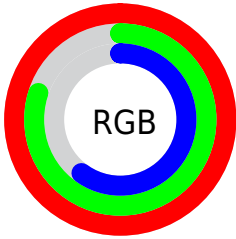
Format	Color
R <sub>Y</sub> B	255, 255, 153
Decimal	16764057
CIE Lab	85.38, 11.50, 32.26
CIE LCh	85, 34.251, 70.387
Yxy	66.7456, 0.3925, 0.3820
Android (android.graphics.Color)	4294954137 (0xFFFFCC99)
YUV	213.4350, -29.7945, 36.4525
Hunter-Lab	81.6980, 6.8679, 28.5945

# Details

The Yxy color **66.7456, 0.3925, 0.3820** is a light color, and the websafe version is hex **FFCC99**, and the color name is **peach-orange**. A complement of this color would be **57.1649, 0.2480, 0.2686**, and the grayscale version is **67.0271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **34.4880, 0.4113, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **60.1810, 0.4184, 0.3947**, and if you desaturate by 10%, it is **73.9924, 0.3688, 0.3684**.

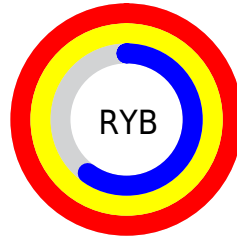
# Distribution



Red (100%)

Green (80%)

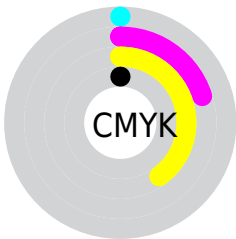
Blue (60%)



Red (100%)

Yellow (100%)

Blue (60%)

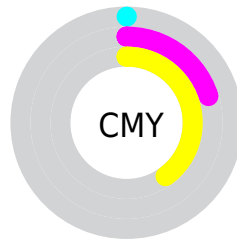


Cyan (0%)

Magenta (20%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (20%)


Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7456, 0.3925, 0.3820 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 66.7456, 0.3925, 0.3820 by changing the saturation by 10% instead.





 66.7456, 0.3925,  
0.3820

 66.7456, 0.3925,  
0.3820


449.0387, 0.3551,  
0.3584

 48.8779, 0.4010,  
0.3870


 114.5558, 0.3795,  
0.3741

 34.5226, 0.4115,  
0.3931


 145.2671, 0.3744,  
0.3709

 23.2954, 0.4247,  
0.4003


181.0284, 0.3701,  
0.3681

 14.8118, 0.4416,  
0.4089

222.2241, 0.3663,  
0.3657

 8.6874, 0.4637,  
0.4191

269.2386, 0.3630,  
0.3635

 4.5378, 0.4934,  
0.4304

322.4563, 0.3600,

 1.9787, 0.5483,

0.3616

0.4517

382.2615, 0.3574,  
0.3599

0.5951, 0.5871,  
0.4129

0.0000, 0.0000,  
0.0000

66.7456, 0.3925,  
0.3820

66.7456, 0.3925,  
0.3820

60.1810, 0.4184,  
0.3947

73.9924, 0.3688,  
0.3684

54.2657, 0.4458,  
0.4055

81.9339, 0.3477,  
0.3548

48.9777, 0.4737,  
0.4131

90.5940, 0.3290,  
0.3416

44.2895, 0.5003,  
0.4163

99.9924, 0.3127,  
0.3290

■ 40.1701, 0.5239,  
0.4140

99.9988, 0.3127,  
0.3290

■ 36.5775, 0.5436,  
0.4066

# Harmonies

## Analogous

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



66.7456, 0.3961, 0.3502



66.7456, 0.3925, 0.3820



66.7456, 0.3667, 0.4027

# Triad

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



66.7456, 0.3925, 0.3820



66.7456, 0.2528, 0.3384



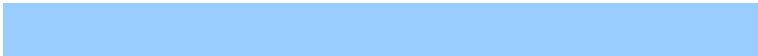
66.7456, 0.2936, 0.2663

# Complementary

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



66.7456, 0.3925, 0.3820



57.1649, 0.2480, 0.2686

# 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.



66.7456, 0.2582, 0.2605



66.7456, 0.3925, 0.3820



66.7456, 0.2360, 0.2986

# Square

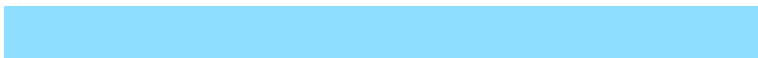
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.7456, 0.3925, 0.3820



66.7456, 0.2857, 0.3784



66.7456, 0.2379, 0.2712



66.7456, 0.3367, 0.2861



# Rectangle

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



66.7456, 0.3925, 0.3820



66.7456, 0.3413, 0.4054



66.7456, 0.2379, 0.2712



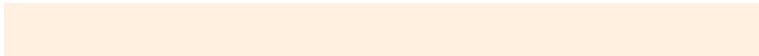
66.7456, 0.2805, 0.2626

# Sweetspot

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



66.7488, 0.3925, 0.3820



88.8103, 0.3326, 0.3441



48.3976, 0.3629, 0.2765



18.7621, 0.3349, 0.3459



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.



66.7488, 0.3925, 0.3820



61.4462, 0.4130, 0.3923



95.0745, 0.3728, 0.4284



19.4882, 0.3282, 0.3409



19.4122, 0.5410, 0.4086

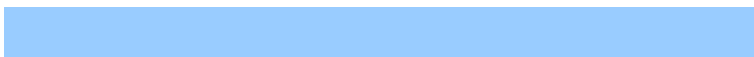


2.1085, 0.5234, 0.4226

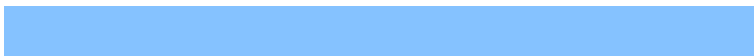


# Inverse Universe

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



57.1649, 0.2480, 0.2686



50.6594, 0.2351, 0.2540



36.7705, 0.2381, 0.2057



18.8779, 0.2979, 0.3168



12.0642, 0.1770, 0.1573



1.3930, 0.1828, 0.1779



# Previews

## White Background



This preview shows how the Yxy color 66.7456, 0.3925, 0.3820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

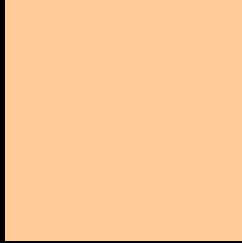
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.7456, 0.3925, 0.3820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

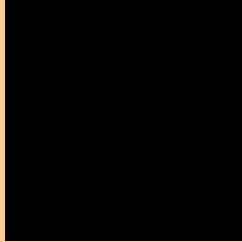
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 66.7456, 0.3925, 0.3820**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7456, 0.3925, 0.3820.



This preview shows how white text looks on a background with the Yxy color 66.7456, 0.3925, 0.3820.

# 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

66.7456, 0.3925, 0.3820

### Protanopia

66.6808, 0.3651, 0.3914

### Deuteranopia

67.0334, 0.3913, 0.3831



## Tritanopia

66.8603, 0.3474, 0.3158

# Trichromacy



## Original Color

66.7456, 0.3925, 0.3820

## Protanomaly

66.6706, 0.3741, 0.3878

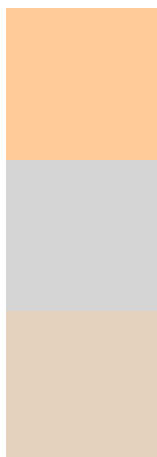
## Deuteranomaly

67.0334, 0.3913, 0.3831

## Tritanomaly

66.7949, 0.3636, 0.3395

# Monochromacy



## Original Color

66.7456, 0.3925, 0.3820

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

66.3488, 0.3401, 0.3501

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7456, 0.3925, 0.3820 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, 204, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 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, 204, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7456, 0.3925, 0.3820 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, 204, 153) }
```

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

```
.border{ border-color:rgb(255, 204, 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, 204, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7456, 0.3925, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 153) }
```

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

```
.background{ background-color: rgb(255,  
204, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor