

Converting Colors

$Y_{xy}(76.5038, 0.4155, 0.3595)$

Have a look what the booklet for
Yxy(76.5038, 0.4155, 0.3595)
contains.

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Color

Yxy(66.8364, 0.3805, 0.3645)

Conversions

Conversions Part 1

Format	Color
Hex	FFCBA9
RGB	255, 203, 169
RGB Percent	100%, 80%, 66%
CMY	0.0000, 0.2040, 0.3373
CMYK	0.00, 0.20, 0.34, 0.00
HSL	24°, 100%, 83%
HSV	24°, 34%, 100%
XYZ	69.7702, 66.8364, 46.7580
YIQ	214.6720, 41.9060, 0.4500

Conversions

Conversions Part 2

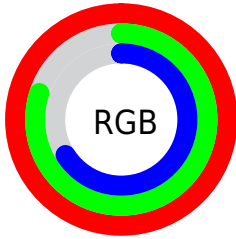
Format	Color
R _Y B	255, 225, 169
Decimal	16763817
CIE Lab	85.42, 13.88, 23.97
CIE LCh	85, 27.701, 59.934
Yxy	66.8364, 0.3805, 0.3645
Android (android.graphics.Color)	4294953897 (0xFFFFCBA9)
YUV	214.6720, -22.5163, 35.3677
Hunter-Lab	81.7535, 9.2671, 23.3173

Details

The Yxy color **66.8364, 0.3805, 0.3645** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **67.3737, 0.2597, 0.2903**, and the grayscale version is **67.8492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **34.6496, 0.3968, 0.3718** is the 20% darker color. If you saturate the color by 10%, you get **59.0393, 0.4075, 0.3752**, and if you desaturate by 10%, it is **75.5329, 0.3567, 0.3536**.

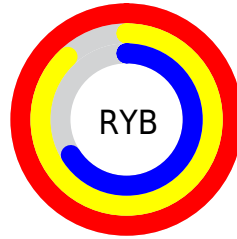
Distribution



Red (100%)

Green (80%)

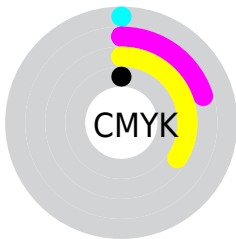
Blue (66%)



Red (100%)

Yellow (88%)

Blue (66%)

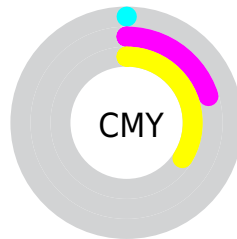


Cyan (0%)

Magenta (20%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8364, 0.3805, 0.3645 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 66.8364, 0.3805, 0.3645 by changing the saturation by 10% instead.


 66.8364, 0.3805,
0.3645

 66.8364, 0.3805,
0.3645

449.3622, 0.3485,
0.3487

 48.9517, 0.3879,
0.3679


 114.6860, 0.3693,
0.3592

 34.5812, 0.3971,
0.3719


145.4196, 0.3649,
0.3571

 23.3404, 0.4088,
0.3769


181.2050, 0.3612,
0.3552

 14.8451, 0.4242,
0.3828

222.4265, 0.3580,
0.3536

 8.7107, 0.4449,
0.3901

269.4686, 0.3552,
0.3522

 4.5530, 0.4742,
0.3986

322.7157, 0.3527,

 1.9875, 0.5384,

0.3509

0.4227

382.5521, 0.3504,
0.3498

0.6002, 0.6029,
0.3971

0.0000, 0.0000,
0.0000

66.8364, 0.3805,
0.3645

66.8364, 0.3805,
0.3645

59.0393, 0.4075,
0.3752

75.5329, 0.3567,
0.3536

52.1275, 0.4376,
0.3847

85.1770, 0.3362,
0.3428

46.0611, 0.4699,
0.3921

95.7913, 0.3186,
0.3326

40.8032, 0.5027,
0.3958

100.0000, 0.3127,
0.3290

■ 36.3138, 0.5338,
0.3948

■ 32.5476, 0.5603,
0.3884

■ 30.5245, 0.5743,
0.3822

Harmonies

Analogous

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



66.8364, 0.3762, 0.3371



66.8364, 0.3805, 0.3645



66.8364, 0.3657, 0.3847

Triad

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



66.8364, 0.3805, 0.3645



66.8364, 0.2722, 0.3485



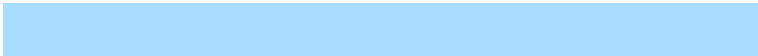
66.8364, 0.2863, 0.2743

Complementary

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



66.8364, 0.3805, 0.3645



67.3737, 0.2597, 0.2903

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.



66.8364, 0.2609, 0.2745



66.8364, 0.3805, 0.3645



66.8364, 0.2531, 0.3154

Square

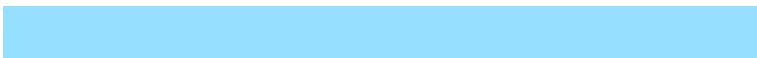
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.8364, 0.3805, 0.3645



66.8364, 0.3026, 0.3771



66.8364, 0.2491, 0.2887



66.8364, 0.3201, 0.2870

Rectangle

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



66.8364, 0.3805, 0.3645



66.8364, 0.3475, 0.3904



66.8364, 0.2491, 0.2887



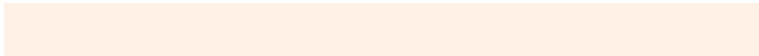
66.8364, 0.2765, 0.2729

Sweetspot

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



66.8304, 0.3805, 0.3645



89.0170, 0.3293, 0.3390



54.9111, 0.3437, 0.2750



18.7399, 0.3319, 0.3404



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.



66.8304, 0.3805, 0.3645



61.8377, 0.3970, 0.3713



89.4091, 0.3668, 0.4046



19.1648, 0.3284, 0.3384



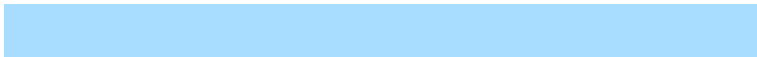
16.2206, 0.5714, 0.3845



1.7852, 0.5505, 0.4011

Inverse Universe

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



67.3737, 0.2597, 0.2903



62.4346, 0.2501, 0.2818



47.9079, 0.2532, 0.2400



19.2059, 0.2979, 0.3194



16.1865, 0.1872, 0.1937



1.7893, 0.1919, 0.2107

Previews

White Background



This preview shows how the Yxy color 66.8364, 0.3805, 0.3645 looks on a white background.

Color Contrast Check

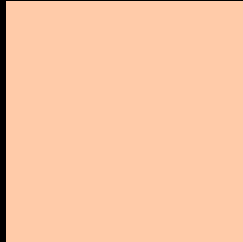
Large Text (above 18pt) WCAG AA × Fail

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 66.8364, 0.3805, 0.3645 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

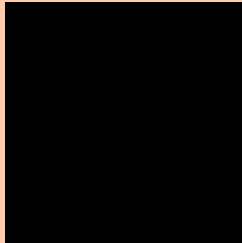
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8364, 0.3805, 0.3645

Background



This preview shows how black text looks on a background with the Yxy color 66.8364, 0.3805, 0.3645.



This preview shows how white text looks on a background with the Yxy color 66.8364, 0.3805, 0.3645.

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

66.8364, 0.3805, 0.3645

Protanopia

66.8132, 0.3504, 0.3728

Deuteranopia

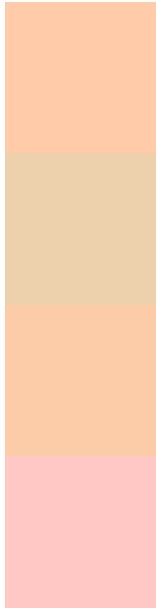
66.8512, 0.3757, 0.3671



Tritanopia

66.8603, 0.3474, 0.3158

Trichromacy



Original Color

66.8364, 0.3805, 0.3645

Protanomaly

66.5840, 0.3617, 0.3695

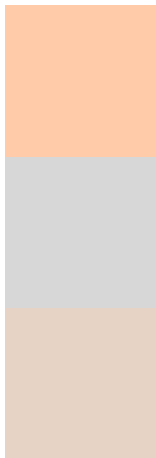
Deuteranomaly

66.7458, 0.3777, 0.3659

Tritanomaly

66.5541, 0.3598, 0.3333

Monochromacy



Original Color

66.8364, 0.3805, 0.3645

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

67.4887, 0.3364, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8364, 0.3805, 0.3645 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, 203, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 169)  
}
```

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, 203, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 169) }
```

Border

The CSS property to change the border of an element to Yxy 66.8364, 0.3805, 0.3645 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, 203, 169) }
```

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

```
.border{ border-color:rgb(255, 203, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 203, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 203, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 203, 169); box-shadow:4px 4px 4px 4px rgb(255, 203, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8364, 0.3805, 0.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 169) }
```

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

```
.background{ background-color: rgb(255,  
203, 169) }
```

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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