

Converting Colors

$Y_{xy}(66.2800, 0.3925, 0.3804)$

Have a look what the booklet for
Yxy(66.2800, 0.3925, 0.3804)
contains.

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Color

Yxy(66.3050, 0.3921, 0.3800)

Conversions

Conversions Part 1

Format	Color
Hex	FFCB9A
RGB	255, 203, 154
RGB Percent	100%, 80%, 60%
CMY	0.0002, 0.2038, 0.3961
CMYK	0.00, 0.20, 0.40, 0.00
HSL	29°, 100%, 80%
HSV	29°, 40%, 100%
XYZ	68.4163, 66.3050, 39.7656
YIQ	212.9620, 46.7210, -4.2150

Conversions

Conversions Part 2

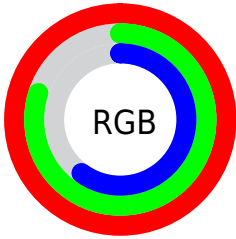
Format	Color
R _Y B	255, 249, 154
Decimal	16763802
CIE Lab	85.15, 12.10, 31.44
CIE LCh	85, 33.689, 68.945
Yxy	66.3050, 0.3921, 0.3800
Android (android.graphics.Color)	4294953882 (0xFFFFCB9A)
YUV	212.9620, -29.0683, 36.8673
Hunter-Lab	81.4279, 7.4782, 28.0451

Details

The Yxy color **66.3050, 0.3921, 0.3800** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **58.1984, 0.2489, 0.2712**, and the grayscale version is **66.6875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **34.3245, 0.4120, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **59.6111, 0.4183, 0.3924**, and if you desaturate by 10%, it is **73.7097, 0.3683, 0.3668**.

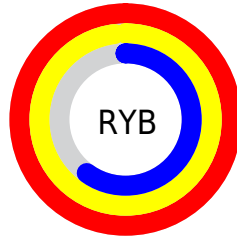
Distribution



Red (100%)

Green (80%)

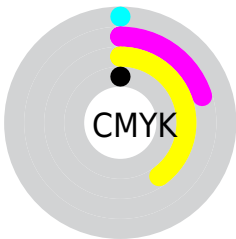
Blue (60%)



Red (100%)

Yellow (98%)

Blue (60%)

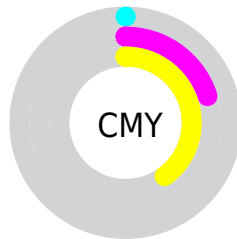


Cyan (0%)

Magenta (20%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.3050, 0.3921, 0.3800 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 66.3050, 0.3921, 0.3800 by changing the saturation by 10% instead.


 66.3050, 0.3921,
0.3800


 66.3050, 0.3921,
0.3800

447.4669, 0.3548,
0.3573

 48.5200, 0.4006,
0.3849


 113.9240, 0.3791,
0.3724

 34.2389, 0.4112,
0.3906


 144.5268, 0.3741,
0.3693

 23.0772, 0.4244,
0.3976


180.1710, 0.3697,
0.3667

 14.6505, 0.4414,
0.4059

221.2410, 0.3659,
0.3643

 8.5745, 0.4638,
0.4156

268.1212, 0.3626,
0.3623

 4.4647, 0.4940,
0.4264

321.1960, 0.3597,

 1.9367, 0.5518,

0.3604

0.4482

380.8497, 0.3571,
0.3588

0.5703, 0.5949,
0.4051

0.0000, 0.0000,
0.0000

66.3050, 0.3921,
0.3800

66.3050, 0.3921,
0.3800

59.6111, 0.4183,
0.3924

73.7097, 0.3683,
0.3668

53.5941, 0.4463,
0.4030

81.8387, 0.3470,
0.3535

48.2309, 0.4748,
0.4104

90.7168, 0.3284,
0.3407

43.4927, 0.5023,
0.4135

99.9912, 0.3127,
0.3290

■ 39.3476, 0.5268,
0.4111

■ 35.7528, 0.5471,
0.4035

■ 35.6173, 0.5479,
0.4032

Harmonies

Analogous

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



66.3050, 0.3944, 0.3483



66.3050, 0.3921, 0.3800



66.3050, 0.3676, 0.4010

Triad

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



66.3050, 0.3921, 0.3800



66.3050, 0.2549, 0.3403



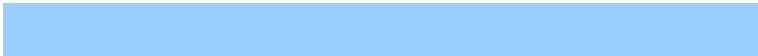
66.3050, 0.2920, 0.2665

Complementary

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



66.3050, 0.3921, 0.3800



58.1984, 0.2489, 0.2712

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.



66.3050, 0.2576, 0.2615



66.3050, 0.3921, 0.3800



66.3050, 0.2374, 0.3008

Square

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



66.3050, 0.3921, 0.3800



66.3050, 0.2880, 0.3792



66.3050, 0.2384, 0.2729



66.3050, 0.3344, 0.2855

Rectangle

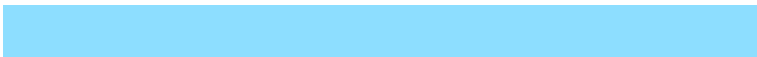
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.3050, 0.3921, 0.3800



66.3050, 0.3429, 0.4044



66.3050, 0.2384, 0.2729



66.3050, 0.2792, 0.2631

Sweetspot

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



66.3081, 0.3921, 0.3800



88.5484, 0.3326, 0.3437



48.8283, 0.3606, 0.2754



18.7005, 0.3350, 0.3454



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.



66.3081, 0.3921, 0.3800



60.6577, 0.4140, 0.3905



94.0064, 0.3728, 0.4260



19.4430, 0.3282, 0.3406



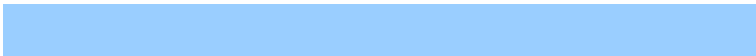
18.9146, 0.5453, 0.4052



2.0593, 0.5272, 0.4196

Inverse Universe

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



58.1984, 0.2489, 0.2712



51.4573, 0.2356, 0.2563



37.7598, 0.2393, 0.2091



18.9232, 0.2979, 0.3172



12.5794, 0.1784, 0.1622



1.4436, 0.1840, 0.1824

Previews

White Background



This preview shows how the Yxy color 66.3050, 0.3921, 0.3800 looks on a white background.

Color Contrast Check

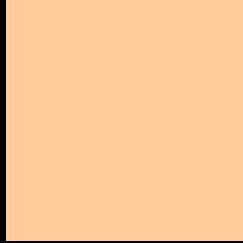
Large Text (above 18pt) WCAG AA × Fail

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 66.3050, 0.3921, 0.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

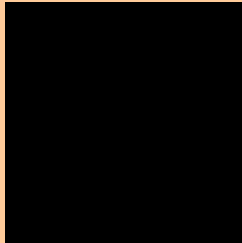
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.3050, 0.3921, 0.3800

Background



This preview shows how black text looks on a background with the Yxy color 66.3050, 0.3921, 0.3800.



This preview shows how white text looks on a background with the Yxy color 66.3050, 0.3921, 0.3800.

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

66.3050, 0.3921, 0.3800

Protanopia

66.5511, 0.3635, 0.3905

Deuteranopia

66.4015, 0.3901, 0.3813



Tritanopia

66.3513, 0.3483, 0.3158

Trichromacy



Original Color

66.3050, 0.3921, 0.3800

Protanomaly

66.2124, 0.3737, 0.3857

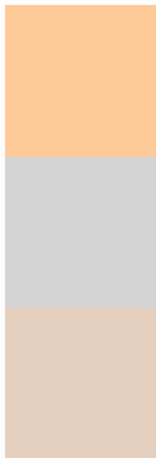
Deuteranomaly

66.5897, 0.3909, 0.3811

Tritanomaly

66.2863, 0.3646, 0.3395

Monochromacy



Original Color

66.3050, 0.3921, 0.3800

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

65.9007, 0.3395, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.3050, 0.3921, 0.3800 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 154) }
```

Border

The CSS property to change the border of an element to Yxy 66.3050, 0.3921, 0.3800 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, 154) }
```

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

```
.border{ border-color:rgb(255, 203, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 203, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 203, 154); box-shadow:4px 4px 4px 4px rgb(255, 203, 154) }
```


Background

The CSS property to change the background color of an element to Yxy 66.3050, 0.3921, 0.3800 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, 154) }
```

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

```
.background{ background-color: rgb(255,  
203, 154) }
```

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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