

Converting Colors

$Yxy(67.0306, 0.3922, 0.3818)$

Have a look what the booklet for
Yxy(67.0306, 0.3922, 0.3818)
contains.

Yxy(66.7788, 0.3917, 0.3810)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(66.7788, 0.3917, 0.3810)

Conversions

Conversions Part 1

Format	Color
Hex	FFCC9A
RGB	255, 204, 154
RGB Percent	100%, 80%, 60%
CMY	0.0002, 0.1999, 0.3961
CMYK	0.00, 0.20, 0.40, 0.00
HSL	30°, 100%, 80%
HSV	30°, 40%, 100%
XYZ	68.6542, 66.7788, 39.8394
YIQ	213.5490, 46.4460, -4.7380

Conversions

Conversions Part 2

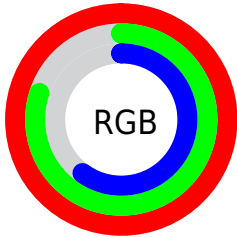
Format	Color
R _Y B	255, 253, 154
Decimal	16764058
CIE Lab	85.39, 11.59, 31.77
CIE LCh	85, 33.813, 69.962
Yxy	66.7788, 0.3917, 0.3810
Android (android.graphics.Color)	4294954138 (0xFFFFCC9A)
YUV	213.5490, -29.3577, 36.3525
Hunter-Lab	81.7183, 6.9567, 28.2977

Details

The Yxy color **66.7788, 0.3917, 0.3810** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.7165, 0.2487, 0.2699**, and the grayscale version is **67.1035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **34.6423, 0.4114, 0.3923** is the 20% darker color. If you saturate the color by 10%, you get **60.1556, 0.4176, 0.3936**, and if you desaturate by 10%, it is **74.0937, 0.3681, 0.3676**.

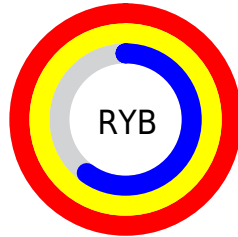
Distribution



Red (100%)

Green (80%)

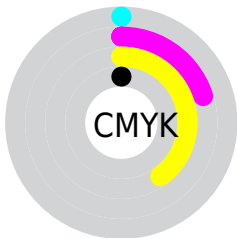
Blue (60%)



Red (100%)

Yellow (99%)

Blue (60%)

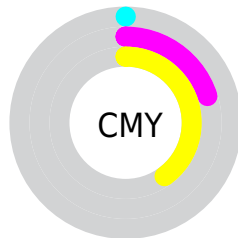


Cyan (0%)

Magenta (20%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (20%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7788, 0.3917, 0.3810 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 66.7788, 0.3917, 0.3810 by changing the saturation by 10% instead.

 66.7788, 0.3917,
0.3810

 66.7788, 0.3917,
0.3810


449.1570, 0.3546,
0.3578

 48.9049, 0.4002,
0.3860


 114.6034, 0.3788,
0.3732

 34.5440, 0.4106,
0.3919


 145.3229, 0.3738,
0.3701

 23.3119, 0.4237,
0.3989


181.0930, 0.3695,
0.3674

 14.8239, 0.4404,
0.4075

222.2981, 0.3657,
0.3650

 8.6959, 0.4624,
0.4175

269.3227, 0.3624,
0.3629

 4.5434, 0.4921,
0.4287

322.5511, 0.3595,

 1.9819, 0.5488,

0.3610

0.4512

382.3678, 0.3569,
0.3593

0.5969, 0.5875,
0.4125

0.0000, 0.0000,
0.0000

66.7788, 0.3917,
0.3810

66.7788, 0.3917,
0.3810

60.1556, 0.4176,
0.3936

74.0937, 0.3681,
0.3676

54.1911, 0.4452,
0.4044

82.1132, 0.3469,
0.3540

48.8629, 0.4733,
0.4121

90.8613, 0.3283,
0.3409

44.1431, 0.5003,
0.4154

99.9925, 0.3127,
0.3290

■ 40.0007, 0.5243,
0.4132

■ 36.3939, 0.5442,
0.4058

■ 36.2596, 0.5450,
0.4055

Harmonies

Analogous

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



66.7788, 0.3949, 0.3495



66.7788, 0.3917, 0.3810



66.7788, 0.3665, 0.4015

Triad

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



66.7788, 0.3917, 0.3810



66.7788, 0.2539, 0.3389



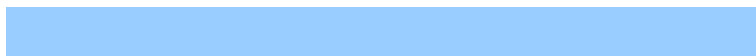
66.7788, 0.2933, 0.2668

Complementary

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



66.7788, 0.3917, 0.3810



57.7165, 0.2487, 0.2699

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.



66.7788, 0.2585, 0.2613



66.7788, 0.3917, 0.3810



66.7788, 0.2370, 0.2996

Square

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



66.7788, 0.3917, 0.3810



66.7788, 0.2866, 0.3782



66.7788, 0.2387, 0.2722



66.7788, 0.3358, 0.2863

Rectangle

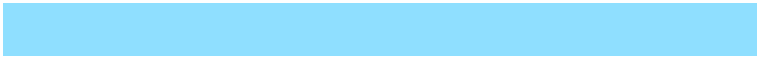
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.7788, 0.3917, 0.3810



66.7788, 0.3415, 0.4044



66.7788, 0.2387, 0.2722



66.7788, 0.2804, 0.2633

Sweetspot

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



66.7820, 0.3917, 0.3810



88.7264, 0.3326, 0.3440



48.8256, 0.3606, 0.2754



18.7424, 0.3350, 0.3457



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.



66.7820, 0.3917, 0.3810



61.1927, 0.4133, 0.3917



94.0112, 0.3728, 0.4260



19.4738, 0.3282, 0.3408



19.2509, 0.5424, 0.4075



2.0926, 0.5246, 0.4216

Inverse Universe

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



57.7165, 0.2487, 0.2699



50.9138, 0.2353, 0.2547



37.7554, 0.2393, 0.2091



18.8924, 0.2979, 0.3169



12.2272, 0.1775, 0.1589



1.4091, 0.1832, 0.1793

Previews

White Background



This preview shows how the Yxy color 66.7788, 0.3917, 0.3810 looks on a white background.

Color Contrast Check

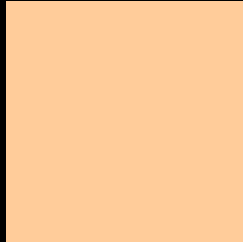
Large Text (above 18pt) WCAG AA × Fail

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 66.7788, 0.3917, 0.3810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

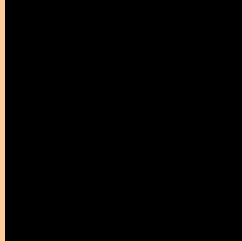
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.7788, 0.3917, 0.3810

Background



This preview shows how black text looks on a background with the Yxy color 66.7788, 0.3917, 0.3810.



This preview shows how white text looks on a background with the Yxy color 66.7788, 0.3917, 0.3810.

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

66.7788, 0.3917, 0.3810

Protanopia

66.7151, 0.3643, 0.3903

Deuteranopia

66.8784, 0.3897, 0.3823



Tritanopia

66.8603, 0.3474, 0.3158

Trichromacy



Original Color

66.7788, 0.3917, 0.3810

Protanomaly

66.7047, 0.3733, 0.3867

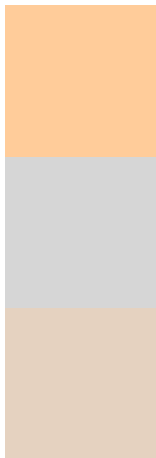
Deuteranomaly

67.0666, 0.3905, 0.3821

Tritanomaly

66.7949, 0.3636, 0.3395

Monochromacy



Original Color

66.7788, 0.3917, 0.3810

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.5570, 0.3401, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7788, 0.3917, 0.3810 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 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, 204, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 154) }
```

Border

The CSS property to change the border of an element to Yxy 66.7788, 0.3917, 0.3810 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, 154) }
```

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

```
.border{ border-color:rgb(255, 204, 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, 204, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7788, 0.3917, 0.3810 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, 154) }
```

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

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

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