

Converting Colors

$Y_{xy}(86.5465, 0.4521, 0.3626)$

Have a look what the booklet for
Yxy(86.5465, 0.4521, 0.3626)
contains.

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Color

Yxy(66.5099, 0.3875, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	FFCBA0
RGB	255, 203, 160
RGB Percent	100%, 80%, 63%
CMY	0.0000, 0.2039, 0.3725
CMYK	0.00, 0.20, 0.37, 0.00
HSL	27°, 100%, 81%
HSV	27°, 37%, 100%
XYZ	68.9475, 66.5099, 42.4717
YIQ	213.6460, 44.7950, -2.3490

Conversions

Conversions Part 2

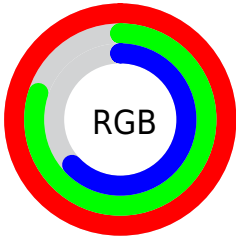
Format	Color
R _Y B	255, 239, 160
Decimal	16763808
CIE Lab	85.26, 12.81, 28.45
CIE LCh	85, 31.199, 65.756
Yxy	66.5099, 0.3875, 0.3738
Android (android.graphics.Color)	4294953888 (0xFFFFCBA0)
YUV	213.6460, -26.4475, 36.2675
Hunter-Lab	81.5536, 8.1897, 26.2103

Details

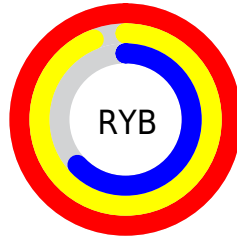
The Yxy color **66.5099, 0.3875, 0.3738** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **61.7963, 0.2533, 0.2790**, and the grayscale version is **67.1532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **34.4479, 0.4060, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **59.4064, 0.4141, 0.3856**, and if you desaturate by 10%, it is **74.3899, 0.3636, 0.3614**.

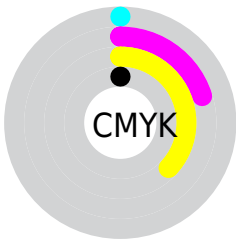
Distribution



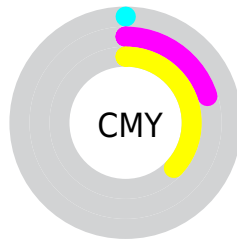
- Red (100%)
- Green (80%)
- Blue (63%)



- Red (100%)
- Yellow (94%)
- Blue (63%)



- Cyan (0%)
- Magenta (20%)
- Yellow (37%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5099, 0.3875, 0.3738 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 66.5099, 0.3875, 0.3738 by changing the saturation by 10% instead.


 66.5099, 0.3875,
0.3738


 66.5099, 0.3875,
0.3738


448.1983, 0.3522,
0.3538

 48.6864, 0.3956,
0.3781

 114.2179, 0.3752,
0.3671

 34.3708, 0.4056,
0.3832


 144.8712, 0.3704,
0.3644

 23.1786, 0.4183,
0.3893

180.5699, 0.3663,
0.3621

 14.7254, 0.4347,
0.3968

221.6984, 0.3628,
0.3600

 8.6269, 0.4566,
0.4057

268.6411, 0.3596,
0.3582

 4.4987, 0.4867,
0.4156

321.7823, 0.3569,

 1.9562, 0.5552,

0.3566

0.4448

381.5066, 0.3544,
0.3551

0.5819, 0.5981,
0.4019

0.0000, 0.0000,
0.0000

66.5099, 0.3875,
0.3738

66.5099, 0.3875,
0.3738

59.4064, 0.4141,
0.3856

74.3899, 0.3636,
0.3614

53.0532, 0.4429,
0.3960

83.0724, 0.3427,
0.3490

47.4213, 0.4730,
0.4035

92.5812, 0.3244,
0.3372

42.4796, 0.5026,
0.4070

100.0000, 0.3127,
0.3290

■ 38.1935, 0.5296,
0.4052

■ 34.5227, 0.5521,
0.3979

■ 33.6081, 0.5577,
0.3953

Harmonies

Analogous

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



66.5099, 0.3871, 0.3439



66.5099, 0.3875, 0.3738



66.5099, 0.3669, 0.3944

Triad

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



66.5099, 0.3875, 0.3738



66.5099, 0.2618, 0.3436



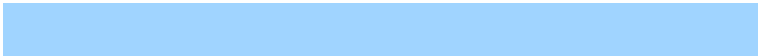
66.5099, 0.2897, 0.2696

Complementary

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



66.5099, 0.3875, 0.3738



61.7963, 0.2533, 0.2790

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.



66.5099, 0.2589, 0.2667



66.5099, 0.3875, 0.3738



66.5099, 0.2436, 0.3066

Square

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



66.5099, 0.3875, 0.3738



66.5099, 0.2938, 0.3784



66.5099, 0.2427, 0.2792



66.5099, 0.3286, 0.2861

Rectangle

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



66.5099, 0.3875, 0.3738



66.5099, 0.3448, 0.3988



66.5099, 0.2427, 0.2792



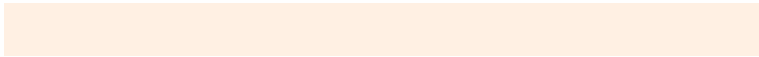
66.5099, 0.2781, 0.2670

Sweetspot

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



66.5096, 0.3875, 0.3738



88.9127, 0.3309, 0.3415



51.1766, 0.3538, 0.2755



18.7537, 0.3334, 0.3432



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.



66.5096, 0.3875, 0.3738



60.9351, 0.4079, 0.3831



92.3263, 0.3704, 0.4179



19.3407, 0.3283, 0.3398



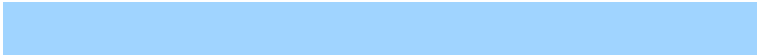
17.8500, 0.5550, 0.3975



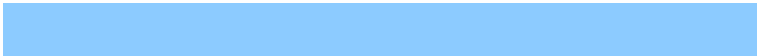
1.9528, 0.5357, 0.4129

Inverse Universe

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



61.7963, 0.2533, 0.2790



55.5666, 0.2411, 0.2665



41.5245, 0.2449, 0.2212



19.0264, 0.2979, 0.3180



13.8179, 0.1816, 0.1736



1.5638, 0.1869, 0.1927

Previews

White Background



This preview shows how the Yxy color 66.5099, 0.3875, 0.3738 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 66.5099, 0.3875, 0.3738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

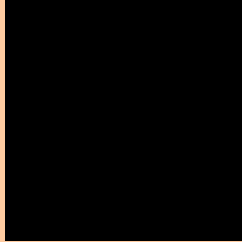
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.5099, 0.3875, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 66.5099, 0.3875, 0.3738.



This preview shows how white text looks on a background with the Yxy color 66.5099, 0.3875, 0.3738.

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

66.5099, 0.3875, 0.3738

Protanopia

66.7991, 0.3585, 0.3826

Deuteranopia

66.2330, 0.3839, 0.3754



Tritanopia

66.3513, 0.3483, 0.3158

Trichromacy



Original Color

66.5099, 0.3875, 0.3738

Protanomaly

66.4224, 0.3692, 0.3792

Deuteranomaly

66.4192, 0.3847, 0.3753

Tritanomaly

66.3743, 0.3630, 0.3374

Monochromacy



Original Color

66.5099, 0.3875, 0.3738

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

66.6462, 0.3387, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5099, 0.3875, 0.3738 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 160) }
```

Border

The CSS property to change the border of an element to Yxy 66.5099, 0.3875, 0.3738 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, 160) }
```

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

```
.border{ border-color:rgb(255, 203, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5099, 0.3875, 0.3738 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, 160) }
```

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

```
.background{ background-color: rgb(255,  
203, 160) }
```

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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