

Converting Colors

$Y_{xy}(82.0725, 0.4470, 0.3732)$

Have a look what the booklet for
Yxy(82.0725, 0.4470, 0.3732)
contains.

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Color

Yxy(66.6477, 0.3948, 0.3850)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FFCC96 |
| RGB | 255, 204, 150 |
| RGB Percent | 100%, 80%, 59% |
| CMY | 0.0000, 0.2000, 0.4117 |
| CMYK | 0.00, 0.20, 0.41, 0.00 |
| HSL | 31°, 100%, 79% |
| HSV | 31°, 41%, 100% |
| XYZ | 68.3442, 66.6477, 38.1190 |
| YIQ | 213.0930, 47.7300, -5.9820 |

Conversions

Conversions Part 2

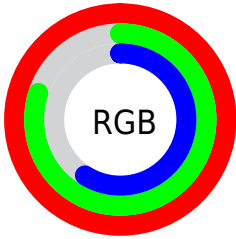
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 249, 255, 150 |
| Decimal | 16764054 |
| CIE Lab | 85.33, 11.20, 33.74 |
| CIE LCh | 85, 35.550, 71.643 |
| Yxy | 66.6477, 0.3948, 0.3850 |
| Android (android.graphics.Color) | 4294954134 (0xFFFFCC96) |
| YUV | 213.0930, -31.1048, 36.7524 |
| Hunter-Lab | 81.6380, 6.5667, 29.4625 |

Details

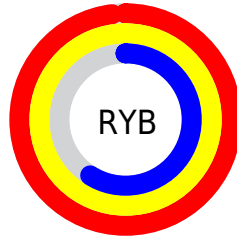
The Yxy color **66.6477, 0.3948, 0.3850** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.4832, 0.2458, 0.2647**, and the grayscale version is **66.7918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1878, 0.3424, 0.3780**, and **34.4303, 0.4142, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **60.2564, 0.4205, 0.3979**, and if you desaturate by 10%, it is **73.6843, 0.3711, 0.3712**.

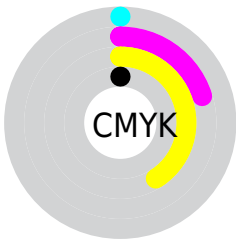
Distribution



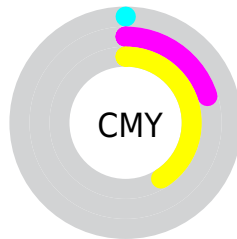
- Red (100%)
- Green (80%)
- Blue (59%)



- Red (98%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (20%)
- Yellow (41%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6477, 0.3948, 0.3850 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 66.6477, 0.3948, 0.3850 by changing the saturation by 10% instead.


 66.6477, 0.3948,
0.3850


 66.6477, 0.3948,
0.3850


448.6897, 0.3563,
0.3600

 48.7984, 0.4035,
0.3903

 114.4155, 0.3815,
0.3766

 34.4596, 0.4143,
0.3966


 145.1027, 0.3763,
0.3733

 23.2469, 0.4277,
0.4042


180.8380, 0.3718,
0.3704

 14.7759, 0.4448,
0.4132

222.0058, 0.3679,
0.3678

 8.6623, 0.4670,
0.4237

268.9905, 0.3645,
0.3655

 4.5216, 0.4973,
0.4358

322.1764, 0.3614,

 1.9694, 0.5469,

0.3635

0.4531

381.9480, 0.3588,
0.3617

0.5896, 0.5858,
0.4142

0.0000, 0.0000,
0.0000

66.6477, 0.3948,
0.3850

66.6477, 0.3948,
0.3850

60.2564, 0.4205,
0.3979

73.6843, 0.3711,
0.3712

54.4906, 0.4474,
0.4087

81.3900, 0.3499,
0.3571

49.3250, 0.4746,
0.4162

89.7839, 0.3310,
0.3435

44.7329, 0.5003,
0.4190

98.8851, 0.3145,
0.3305

■ 40.6840, 0.5227, 100.0000, 0.3127,
0.4164 0.3290

■ 37.5267, 0.5394,
0.4099

Harmonies

Analogous

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



66.6477, 0.3997, 0.3523



66.6477, 0.3948, 0.3850



66.6477, 0.3671, 0.4060

Triad

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



66.6477, 0.3948, 0.3850



66.6477, 0.2495, 0.3368



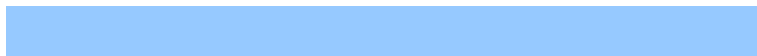
66.6477, 0.2946, 0.2647

Complementary

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



66.6477, 0.3948, 0.3850



55.4832, 0.2458, 0.2647

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.



66.6477, 0.2575, 0.2580



66.6477, 0.3948, 0.3850



66.6477, 0.2329, 0.2958

Square

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



66.6477, 0.3948, 0.3850



66.6477, 0.2829, 0.3789



66.6477, 0.2358, 0.2682



66.6477, 0.3395, 0.2857

Rectangle

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



66.6477, 0.3948, 0.3850



66.6477, 0.3405, 0.4083



66.6477, 0.2358, 0.2682



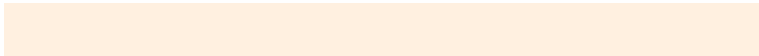
66.6477, 0.2809, 0.2607

Sweetspot

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



66.6468, 0.3948, 0.3850



89.0634, 0.3325, 0.3446



47.3635, 0.3650, 0.2750



18.8216, 0.3349, 0.3463



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.



66.6468, 0.3948, 0.3850



61.5912, 0.4147, 0.3952



94.9823, 0.3745, 0.4311



19.5319, 0.3281, 0.3412



19.9089, 0.5369, 0.4119



2.1573, 0.5198, 0.4254

Inverse Universe

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



55.4832, 0.2458, 0.2647



49.1215, 0.2331, 0.2498



35.5202, 0.2356, 0.2014



18.8343, 0.2979, 0.3165



11.5846, 0.1757, 0.1527



1.3456, 0.1816, 0.1736

Previews

White Background



This preview shows how the Yxy color 66.6477, 0.3948, 0.3850 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 66.6477, 0.3948, 0.3850 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 66.6477, 0.3948, 0.3850

Background



This preview shows how black text looks on a background with the Yxy color 66.6477, 0.3948, 0.3850.



This preview shows how white text looks on a background with the Yxy color 66.6477, 0.3948, 0.3850.

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

66.6477, 0.3948, 0.3850

Protanopia

66.7446, 0.3680, 0.3945

Deuteranopia

66.4586, 0.3940, 0.3852



Tritanopia

66.8100, 0.3482, 0.3168

Trichromacy



Original Color

66.6477, 0.3948, 0.3850

Protanomaly

66.7438, 0.3771, 0.3909

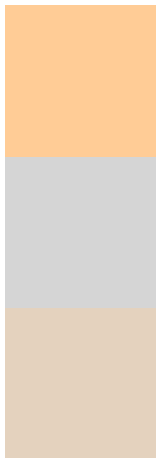
Deuteranomaly

66.4586, 0.3940, 0.3852

Tritanomaly

66.7074, 0.3652, 0.3416

Monochromacy



Original Color

66.6477, 0.3948, 0.3850

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.3049, 0.3408, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6477, 0.3948, 0.3850 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, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 150)  
}
```

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, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 150) }
```

Border

The CSS property to change the border of an element to Yxy 66.6477, 0.3948, 0.3850 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, 150) }
```

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

```
.border{ border-color:rgb(255, 204, 150) }
```

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, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6477, 0.3948, 0.3850 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, 150) }
```

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

```
.background{ background-color: rgb(255,  
204, 150) }
```

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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