

Converting Colors

$Yxy(66.5848, 0.4173, 0.4179)$

Have a look what the booklet for
Yxy(66.5848, 0.4173, 0.4179)
contains.

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Color

Yxy(66.6870, 0.4173, 0.4184)

Conversions

Conversions Part 1

Format	Color
Hex	FFCE75
RGB	255, 206, 117
RGB Percent	100%, 81%, 46%
CMY	0.0001, 0.1921, 0.5413
CMYK	0.00, 0.19, 0.54, 0.00
HSL	39°, 100%, 73%
HSV	39°, 54%, 100%
XYZ	66.5117, 66.6870, 26.1871
YIQ	210.5050, 57.7730, -17.2910

Conversions

Conversions Part 2

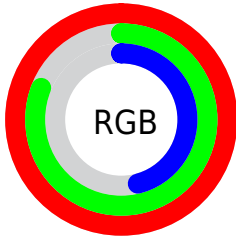
Format	Color
R _Y B	193, 255, 117
Decimal	16764533
CIE Lab	85.35, 7.07, 50.36
CIE LCh	85, 50.851, 82.008
Yxy	66.6870, 0.4173, 0.4184
Android (android.graphics.Color)	4294954613 (0xFFFFCE75)
YUV	210.5050, -46.0980, 39.0221
Hunter-Lab	81.6621, 2.4749, 38.1506

Details

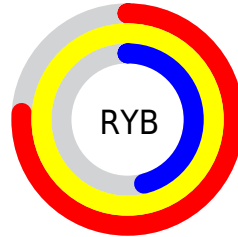
The Yxy color **66.6870, 0.4173, 0.4184** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.2406, 0.2202, 0.2159**, and the grayscale version is **65.0777, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7203, 0.3626, 0.4115**, and **34.4402, 0.4394, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **61.9397, 0.4392, 0.4311**, and if you desaturate by 10%, it is **71.8546, 0.3953, 0.4031**.

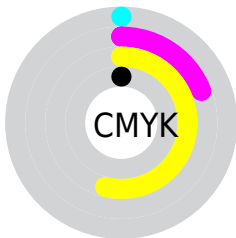
Distribution



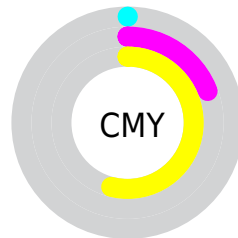
- Red (100%)
- Green (81%)
- Blue (46%)



- Red (76%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (19%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (19%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.6870, 0.4173, 0.4184 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 66.6870, 0.4173, 0.4184 by changing the saturation by 10% instead.


 66.6870, 0.4173,
0.4184

 66.6870, 0.4173,
0.4184


448.8298, 0.3697,
0.3791

 48.8303, 0.4275,
0.4264


 114.4718, 0.4012,
0.4055

 34.4849, 0.4395,
0.4356


 145.1687, 0.3948,
0.4002

 23.2664, 0.4539,
0.4461


 180.9144, 0.3893,
0.3956

 14.7903, 0.4708,
0.4576

222.0934, 0.3844,
0.3915

 8.6723, 0.4904,
0.4695

269.0901, 0.3801,
0.3879

 4.5281, 0.5165,
0.4835

322.2888, 0.3762,

 1.9731, 0.5255,

0.3847

0.4745

382.0739, 0.3728,
0.3818

0.5918, 0.5540,
0.4460

0.0000, 0.0000,
0.0000

66.6870, 0.4173,
0.4184

66.6870, 0.4173,
0.4184

61.9397, 0.4392,
0.4311

71.8546, 0.3953,
0.4031

57.5852, 0.4599,
0.4401

77.4490, 0.3740,
0.3864

53.6067, 0.4783,
0.4442

83.4882, 0.3541,
0.3691

49.9804, 0.4934,
0.4431

89.9863, 0.3357,
0.3520

■ 47.9953, 0.5010,
0.4404

■ 96.9564, 0.3191,
0.3355

99.9935, 0.3127,
0.3290

Harmonies

Analogous

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



66.6870, 0.4384, 0.3748



66.6870, 0.4173, 0.4184



66.6870, 0.3687, 0.4434

Triad

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



66.6870, 0.4173, 0.4184



66.6870, 0.2135, 0.3164



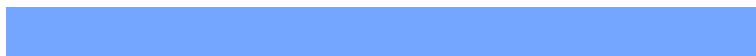
66.6870, 0.3075, 0.2486

Complementary

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



66.6870, 0.4173, 0.4184



38.2406, 0.2202, 0.2159

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.



66.6870, 0.2507, 0.2320



66.6870, 0.4173, 0.4184



66.6870, 0.2010, 0.2643

Square

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



66.6870, 0.4173, 0.4184



66.6870, 0.2512, 0.3817



66.6870, 0.2138, 0.2363



66.6870, 0.3719, 0.2821

Rectangle

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



66.6870, 0.4173, 0.4184



66.6870, 0.3284, 0.4406



66.6870, 0.2138, 0.2363



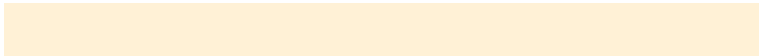
66.6870, 0.2869, 0.2410

Sweetspot

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



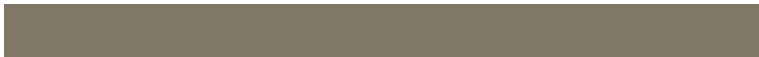
66.6902, 0.4173, 0.4184



88.7571, 0.3390, 0.3552



36.7812, 0.4123, 0.2777



18.7070, 0.3427, 0.3587



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.



66.6902, 0.4173, 0.4184



61.5602, 0.4411, 0.4321



90.7121, 0.3784, 0.4654



19.9430, 0.3278, 0.3443



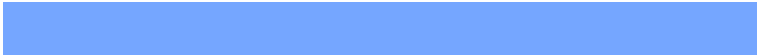
25.3780, 0.4993, 0.4418



2.6771, 0.4878, 0.4509

Inverse Universe

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



38.2406, 0.2202, 0.2159



30.5486, 0.2023, 0.1884



25.1161, 0.2192, 0.1598



18.4319, 0.2979, 0.3132



7.8869, 0.1648, 0.1131



0.9648, 0.1710, 0.1356

Previews

White Background



This preview shows how the Yxy color 66.6870, 0.4173, 0.4184 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 66.6870, 0.4173, 0.4184 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 66.6870, 0.4173, 0.4184

Background



This preview shows how black text looks on a background with the Yxy color 66.6870, 0.4173, 0.4184.



This preview shows how white text looks on a background with the Yxy color 66.6870, 0.4173, 0.4184.

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

66.6870, 0.4173, 0.4184

Protanopia

67.1114, 0.3948, 0.4294

Deuteranopia

66.7002, 0.4047, 0.3998



Tritanopia

66.8100, 0.3482, 0.3168

Trichromacy



Original Color

66.6870, 0.4173, 0.4184

Protanomaly

66.7977, 0.4027, 0.4253

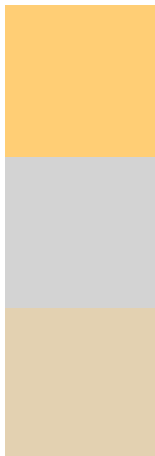
Deuteranomaly

66.5076, 0.4097, 0.4065

Tritanomaly

66.6754, 0.3745, 0.3552

Monochromacy



Original Color

66.6870, 0.4173, 0.4184

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

65.1061, 0.3499, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.6870, 0.4173, 0.4184 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, 206, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 117)  
}
```

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, 206, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 117) }
```

Border

The CSS property to change the border of an element to Yxy 66.6870, 0.4173, 0.4184 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, 206, 117) }
```

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

```
.border{ border-color:rgb(255, 206, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 206, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 206, 117); box-shadow:4px 4px 4px 4px rgb(255, 206, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 66.6870, 0.4173, 0.4184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 117) }
```

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

```
.background{ background-color: rgb(255,  
206, 117) }
```

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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