

Converting Colors

$Y_{xy}(71.3541, 0.4242, 0.4005)$

Have a look what the booklet for
Yxy(71.3541, 0.4242, 0.4005)
contains.

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Color

Yxy(67.0413, 0.4078, 0.4056)

Conversions

Conversions Part 1

Format	Color
Hex	FFCE83
RGB	255, 206, 131
RGB Percent	100%, 81%, 51%
CMY	0.0000, 0.1921, 0.4865
CMYK	0.00, 0.19, 0.49, 0.00
HSL	36°, 100%, 76%
HSV	36°, 49%, 100%
XYZ	67.4049, 67.0413, 30.8430
YIQ	212.1010, 53.2790, -12.9370

Conversions

Conversions Part 2

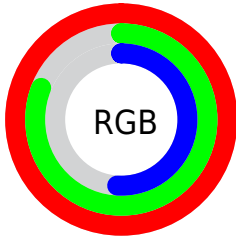
Format	Color
R _Y B	212, 255, 131
Decimal	16764547
CIE Lab	85.52, 8.28, 43.69
CIE LCh	86, 44.470, 79.274
Yxy	67.0413, 0.4078, 0.4056
Android (android.graphics.Color)	4294954627 (0xFFFFCE83)
YUV	212.1010, -39.9828, 37.6224
Hunter-Lab	81.8788, 3.6585, 34.9811

Details

The Yxy color **67.0413, 0.4078, 0.4056** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.6603, 0.2309, 0.2359**, and the grayscale version is **66.1526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **34.7714, 0.4288, 0.4207** is the 20% darker color. If you saturate the color by 10%, you get **61.7415, 0.4313, 0.4191**, and if you desaturate by 10%, it is **72.8283, 0.3851, 0.3903**.

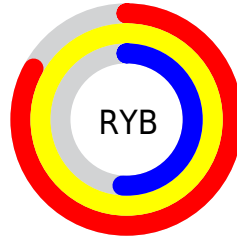
Distribution



Red (100%)

Green (81%)

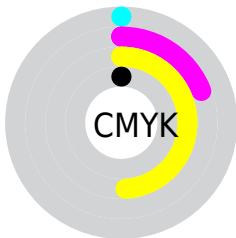
Blue (51%)



Red (83%)

Yellow (100%)

Blue (51%)

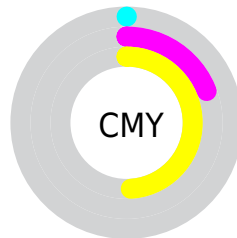


Cyan (0%)

Magenta (19%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (19%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0413, 0.4078, 0.4056 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 67.0413, 0.4078, 0.4056 by changing the saturation by 10% instead.


 67.0413, 0.4078,
0.4056

 67.0413, 0.4078,
0.4056

450.0918, 0.3640,
0.3717


 49.1182, 0.4174,
0.4127


 114.9796, 0.3928,
0.3943

 34.7132, 0.4290,
0.4209


 145.7636, 0.3869,
0.3898

 23.4421, 0.4432,
0.4306


 181.6033, 0.3818,
0.3858

 14.9203, 0.4604,
0.4417

222.8831, 0.3773,
0.3823

 8.7634, 0.4814,
0.4538

269.9875, 0.3734,
0.3792

 4.5872, 0.5200,
0.4777

323.3008, 0.3699,

 2.0072, 0.5316,

0.3764

0.4684

383.2074, 0.3668,
0.3739

0.6116, 0.5616,
0.4384

0.0000, 0.0000,
0.0000

67.0413, 0.4078,
0.4056

67.0413, 0.4078,
0.4056

61.7415, 0.4313,
0.4191

72.8283, 0.3851,
0.3903

56.9008, 0.4544,
0.4294

79.1099, 0.3637,
0.3741

52.5021, 0.4761,
0.4355

85.9052, 0.3441,
0.3578

48.5219, 0.4951,
0.4364

93.2293, 0.3265,
0.3420

■ 44.9295, 0.5105, 99.9996, 0.3127,
0.4320 0.3290

■ 44.4679, 0.5125,
0.4313

Harmonies

Analogous

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



67.0413, 0.4228, 0.3669



67.0413, 0.4078, 0.4056



67.0413, 0.3672, 0.4280

Triad

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



67.0413, 0.4078, 0.4056



67.0413, 0.2274, 0.3238



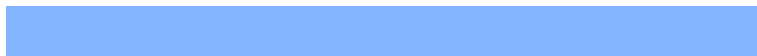
67.0413, 0.3035, 0.2556

Complementary

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



67.0413, 0.4078, 0.4056



44.6603, 0.2309, 0.2359

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.



67.0413, 0.2544, 0.2425



67.0413, 0.4078, 0.4056



67.0413, 0.2137, 0.2762

Square

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



67.0413, 0.4078, 0.4056



67.0413, 0.2631, 0.3795



67.0413, 0.2231, 0.2486



67.0413, 0.3597, 0.2845

Rectangle

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



67.0413, 0.4078, 0.4056



67.0413, 0.3323, 0.4268



67.0413, 0.2231, 0.2486



67.0413, 0.2856, 0.2493

Sweetspot

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



67.0445, 0.4078, 0.4056



88.5147, 0.3375, 0.3520



40.7983, 0.3928, 0.2780



18.6211, 0.3413, 0.3554



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.



67.0445, 0.4078, 0.4056



62.0707, 0.4297, 0.4183



92.1386, 0.3758, 0.4516



19.8160, 0.3279, 0.3434



23.5354, 0.5105, 0.4328



2.5048, 0.4973, 0.4433

Inverse Universe

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



44.6603, 0.2309, 0.2359



37.4462, 0.2153, 0.2140



29.3115, 0.2274, 0.1775



18.5546, 0.2979, 0.3142



8.8768, 0.1679, 0.1244



1.0701, 0.1741, 0.1467

Previews

White Background



This preview shows how the Yxy color 67.0413, 0.4078, 0.4056 looks on a white background.

Color Contrast Check

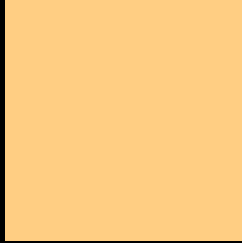
Large Text (above 18pt) WCAG AA × Fail

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 67.0413, 0.4078, 0.4056 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 67.0413, 0.4078, 0.4056

Background



This preview shows how black text looks on a background with the Yxy color 67.0413, 0.4078, 0.4056.



This preview shows how white text looks on a background with the Yxy color 67.0413, 0.4078, 0.4056.

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

67.0413, 0.4078, 0.4056

Protanopia

67.1380, 0.3840, 0.4161

Deuteranopia

66.8756, 0.4003, 0.3940



Tritanopia

66.8603, 0.3474, 0.3158

Trichromacy



Original Color

67.0413, 0.4078, 0.4056

Protanomaly

66.9828, 0.3925, 0.4121

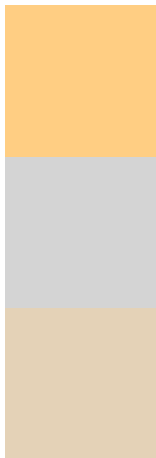
Deuteranomaly

66.7576, 0.4033, 0.3979

Tritanomaly

66.9200, 0.3697, 0.3489

Monochromacy



Original Color

67.0413, 0.4078, 0.4056

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

66.0061, 0.3460, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0413, 0.4078, 0.4056 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 131) }
```

Border

The CSS property to change the border of an element to Yxy 67.0413, 0.4078, 0.4056 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, 131) }
```

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

```
.border{ border-color:rgb(255, 206, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0413, 0.4078, 0.4056 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, 131) }
```

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

```
.background{ background-color: rgb(255,  
206, 131) }
```

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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