

Converting Colors

$Y_{xy}(79.5001, 0.4533, 0.3896)$

Have a look what the booklet for
Yxy(79.5001, 0.4533, 0.3896)
contains.

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Color

Yxy(66.5613, 0.4083, 0.4046)

Conversions

Conversions Part 1

Format	Color
Hex	FFCD83
RGB	255, 205, 131
RGB Percent	100%, 80%, 51%
CMY	0.0000, 0.1961, 0.4863
CMYK	0.00, 0.20, 0.49, 0.00
HSL	36°, 100%, 76%
HSV	36°, 49%, 100%
XYZ	67.1700, 66.5613, 30.7801
YIQ	211.5140, 53.5540, -12.4140

Conversions

Conversions Part 2

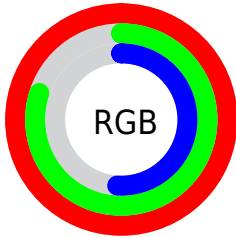
Format	Color
R _Y B	215, 255, 131
Decimal	16764291
CIE Lab	85.28, 8.80, 43.36
CIE LCh	85, 44.249, 78.523
Yxy	66.5613, 0.4083, 0.4046
Android (android.graphics.Color)	4294954371 (0xFFFFCD83)
YUV	211.5140, -39.6934, 38.1372
Hunter-Lab	81.5851, 4.1872, 34.7409

Details

The Yxy color **66.5613, 0.4083, 0.4046** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **45.0926, 0.2312, 0.2373**, and the grayscale version is **65.7414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **34.4482, 0.4297, 0.4196** is the 20% darker color. If you saturate the color by 10%, you get **61.1961, 0.4320, 0.4179**, and if you desaturate by 10%, it is **72.4237, 0.3853, 0.3895**.

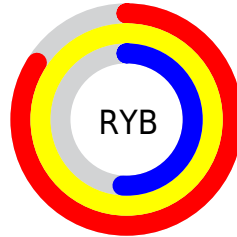
Distribution



Red (100%)

Green (80%)

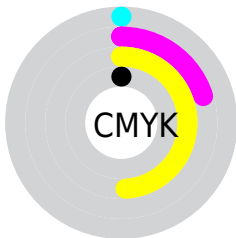
Blue (51%)



Red (84%)

Yellow (100%)

Blue (51%)

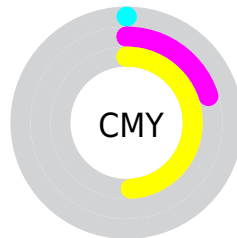


Cyan (0%)

Magenta (20%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.5613, 0.4083, 0.4046 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 66.5613, 0.4083, 0.4046 by changing the saturation by 10% instead.


 66.5613, 0.4083,
0.4046


 66.5613, 0.4083,
0.4046


448.3816, 0.3642,
0.3711

 48.7282, 0.4180,
0.4116

 114.2916, 0.3932,
0.3935

 34.4039, 0.4298,
0.4197


 144.9575, 0.3872,
0.3890

 23.2041, 0.4441,
0.4292


 180.6699, 0.3821,
0.3851

 14.7443, 0.4616,
0.4402

221.8131, 0.3776,
0.3816

 8.6401, 0.4830,
0.4519

268.7714, 0.3736,
0.3785

 4.5072, 0.5226,
0.4757

321.9294, 0.3701,

 1.9611, 0.5347,

0.3758

0.4653

381.6713, 0.3670,
0.3733

■ 0.5847, 0.5686,
0.4314

■ 0.0000, 0.0000,
0.0000

■ 66.5613, 0.4083,
0.4046

■ 66.5613, 0.4083,
0.4046

■ 61.1961, 0.4320,
0.4179

■ 72.4237, 0.3853,
0.3895

■ 56.3035, 0.4556,
0.4281

■ 78.7950, 0.3638,
0.3735

■ 51.8646, 0.4777,
0.4340

■ 85.6934, 0.3442,
0.3574

■ 47.8557, 0.4970,
0.4347

■ 93.1342, 0.3264,
0.3418

■ 44.2455, 0.5128,
0.4302

100.0000, 0.3127,
0.3290

■ 43.7760, 0.5149,
0.4294

Harmonies

Analogous

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



66.5613, 0.4225, 0.3658



66.5613, 0.4083, 0.4046



66.5613, 0.3683, 0.4275

Triad

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



66.5613, 0.4083, 0.4046



66.5613, 0.2282, 0.3252



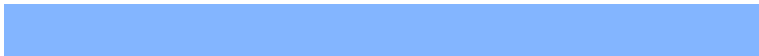
66.5613, 0.3022, 0.2552

Complementary

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



66.5613, 0.4083, 0.4046



45.0926, 0.2312, 0.2373

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.



66.5613, 0.2535, 0.2426



66.5613, 0.4083, 0.4046



66.5613, 0.2140, 0.2773

Square

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



66.5613, 0.4083, 0.4046



66.5613, 0.2644, 0.3807



66.5613, 0.2228, 0.2492



66.5613, 0.3583, 0.2837

Rectangle

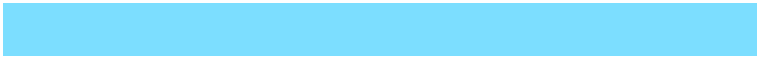
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.5613, 0.4083, 0.4046



66.5613, 0.3336, 0.4268



66.5613, 0.2228, 0.2492



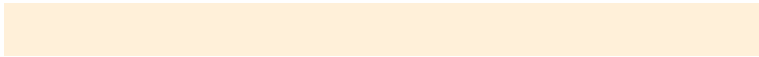
66.5613, 0.2844, 0.2490

Sweetspot

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



66.5632, 0.4083, 0.4046



88.3284, 0.3375, 0.3517



40.8983, 0.3904, 0.2759



18.5762, 0.3414, 0.3550



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.



66.5632, 0.4083, 0.4046



61.5182, 0.4305, 0.4171



92.5114, 0.3773, 0.4509



19.7900, 0.3279, 0.3432



23.1745, 0.5129, 0.4309



2.4708, 0.4993, 0.4417

Inverse Universe

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



45.0926, 0.2312, 0.2373



37.8920, 0.2157, 0.2156



29.1453, 0.2260, 0.1770



18.5800, 0.2979, 0.3144



9.0961, 0.1686, 0.1268



1.0931, 0.1748, 0.1491

Previews

White Background



This preview shows how the Yxy color 66.5613, 0.4083, 0.4046 looks on a white background.

Color Contrast Check

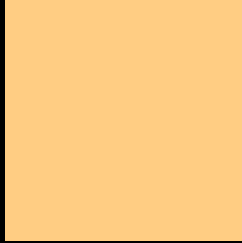
Large Text (above 18pt) WCAG AA × Fail

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 66.5613, 0.4083, 0.4046 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 66.5613, 0.4083, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 66.5613, 0.4083, 0.4046.



This preview shows how white text looks on a background with the Yxy color 66.5613, 0.4083, 0.4046.

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

66.5613, 0.4083, 0.4046

Protanopia

66.4655, 0.3836, 0.4154

Deuteranopia

66.3392, 0.4023, 0.3950



Tritanopia

66.3513, 0.3483, 0.3158

Trichromacy



Original Color

66.5613, 0.4083, 0.4046

Protanomaly

66.3119, 0.3922, 0.4114

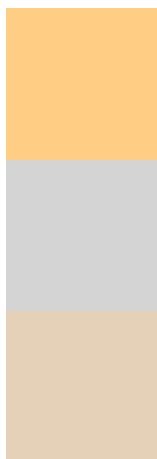
Deuteranomaly

66.2519, 0.4045, 0.3979

Tritanomaly

66.4107, 0.3708, 0.3489

Monochromacy



Original Color

66.5613, 0.4083, 0.4046

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

65.5138, 0.3462, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.5613, 0.4083, 0.4046 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, 205, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 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, 205, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 131) }
```

Border

The CSS property to change the border of an element to Yxy 66.5613, 0.4083, 0.4046 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, 205, 131) }
```

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

```
.border{ border-color:rgb(255, 205, 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, 205, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 66.5613, 0.4083, 0.4046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 131) }
```

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

```
.background{ background-color: rgb(255,  
205, 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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