

Converting Colors

$Y_{xy}(64.5113, 0.4130, 0.4040)$

Have a look what the booklet for
Yxy(64.5113, 0.4130, 0.4040)
contains.

Yxy(64.5656, 0.4133, 0.4046)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.5656, 0.4133, 0.4046)

Conversions

Conversions Part 1

Format	Color
Hex	FFC97F
RGB	255, 201, 127
RGB Percent	100%, 79%, 50%
CMY	0.0000, 0.2117, 0.5020
CMYK	0.00, 0.21, 0.50, 0.00
HSL	35°, 100%, 75%
HSV	35°, 50%, 100%
XYZ	65.9539, 64.5656, 29.0593
YIQ	208.7100, 55.9380, -11.5660

Conversions

Conversions Part 2

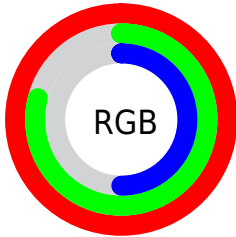
Format	Color
R _Y B	220, 255, 127
Decimal	16763263
CIE Lab	84.26, 10.51, 44.09
CIE LCh	84, 45.329, 76.596
Yxy	64.5656, 0.4133, 0.4046
Android (android.graphics.Color)	4294953343 (0xFFFFC97F)
YUV	208.7100, -40.2830, 40.5963
Hunter-Lab	80.3527, 5.8965, 34.8049

Details

The Yxy color **64.5656, 0.4133, 0.4046** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.7635, 0.2291, 0.2368**, and the grayscale version is **63.8024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **33.1250, 0.4365, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **59.1464, 0.4378, 0.4171**, and if you desaturate by 10%, it is **70.5102, 0.3896, 0.3901**.

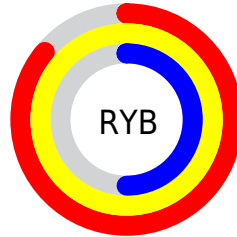
Distribution



Red (100%)

Green (79%)

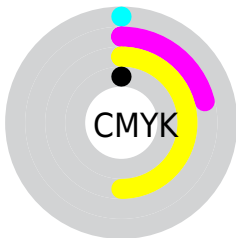
Blue (50%)



Red (86%)

Yellow (100%)

Blue (50%)

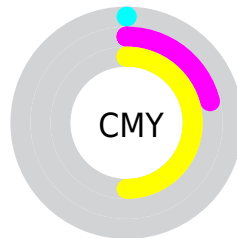


Cyan (0%)

Magenta (21%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (21%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5656, 0.4133, 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 64.5656, 0.4133, 0.4046 by changing the saturation by 10% instead.


 64.5656, 0.4133,
0.4046

 64.5656, 0.4133,
0.4046


441.2293, 0.3666,
0.3712

 47.1089, 0.4236,
0.4115


 111.4251, 0.3973,
0.3936

 33.1218, 0.4361,
0.4194


 141.5967, 0.3910,
0.3891

 22.2197, 0.4513,
0.4286

 176.7754, 0.3855,
0.3852

 14.0185, 0.4699,
0.4389

217.3456, 0.3808,
0.3817

 8.1335, 0.4925,
0.4495

263.6917, 0.3766,
0.3787

 4.1805, 0.5314,
0.4686

316.1981, 0.3729,

 1.7750, 0.5453,

0.3759

0.4547

375.2491, 0.3696,
0.3735

0.4715, 0.5991,
0.4009

0.0000, 0.0000,
0.0000

64.5656, 0.4133,
0.4046

64.5656, 0.4133,
0.4046

59.1464, 0.4378,
0.4171

70.5102, 0.3896,
0.3901

54.2231, 0.4620,
0.4263

76.9894, 0.3675,
0.3746

49.7768, 0.4847,
0.4311

84.0237, 0.3473,
0.3590

45.7821, 0.5044,
0.4305

91.6292, 0.3292,
0.3438

■ 42.2697, 0.5203,
0.4251

99.8214, 0.3130,
0.3293

99.9981, 0.3127,
0.3290

Harmonies

Analogous

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



64.5656, 0.4261, 0.3638



64.5656, 0.4133, 0.4046



64.5656, 0.3732, 0.4302

Triad

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



64.5656, 0.4133, 0.4046



64.5656, 0.2272, 0.3285



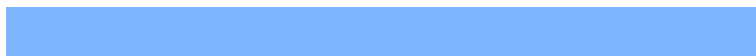
64.5656, 0.2981, 0.2516

Complementary

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



64.5656, 0.4133, 0.4046



44.7635, 0.2291, 0.2368

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.



64.5656, 0.2489, 0.2397



64.5656, 0.4133, 0.4046



64.5656, 0.2111, 0.2780

Square

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



64.5656, 0.4133, 0.4046



64.5656, 0.2657, 0.3861



64.5656, 0.2188, 0.2478



64.5656, 0.3562, 0.2800

Rectangle

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



64.5656, 0.4133, 0.4046



64.5656, 0.3377, 0.4313



64.5656, 0.2188, 0.2478



64.5656, 0.2800, 0.2456

Sweetspot

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



64.5687, 0.4133, 0.4046



87.9138, 0.3376, 0.3510



39.8294, 0.3917, 0.2722



18.4762, 0.3415, 0.3542



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.



64.5687, 0.4133, 0.4046



59.2549, 0.4373, 0.4169



92.7211, 0.3805, 0.4537



19.7320, 0.3280, 0.3427



22.3908, 0.5182, 0.4267



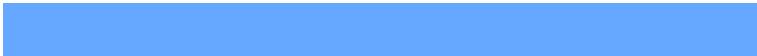
2.3965, 0.5038, 0.4382

Inverse Universe

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



44.7635, 0.2291, 0.2368



37.5063, 0.2133, 0.2148



27.5885, 0.2213, 0.1710



18.6367, 0.2979, 0.3149



9.6054, 0.1701, 0.1323



1.1458, 0.1762, 0.1544

Previews

White Background



This preview shows how the Yxy color 64.5656, 0.4133, 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 64.5656, 0.4133, 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 64.5656, 0.4133, 0.4046

Background



This preview shows how black text looks on a background with the Yxy color 64.5656, 0.4133, 0.4046.



This preview shows how white text looks on a background with the Yxy color 64.5656, 0.4133, 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

64.5656, 0.4133, 0.4046

Protanopia

64.5549, 0.3854, 0.4162

Deuteranopia

64.5656, 0.4133, 0.4046



Tritanopia

64.3486, 0.3523, 0.3157

Trichromacy



Original Color

64.5656, 0.4133, 0.4046

Protanomaly

64.5881, 0.3949, 0.4118

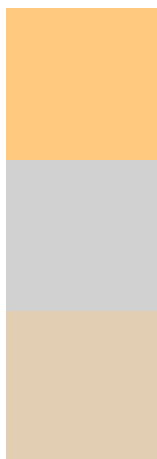
Deuteranomaly

64.5656, 0.4133, 0.4046

Tritanomaly

64.4069, 0.3752, 0.3490

Monochromacy



Original Color

64.5656, 0.4133, 0.4046

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

63.5660, 0.3482, 0.3595

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5656, 0.4133, 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, 201, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 127)  
}
```

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, 201, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 127) }
```

Border

The CSS property to change the border of an element to Yxy 64.5656, 0.4133, 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, 201, 127) }
```

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

```
.border{ border-color:rgb(255, 201, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5656, 0.4133, 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, 201, 127) }
```

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

```
.background{ background-color: rgb(255,  
201, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor