

# Converting Colors

$Yxy(64.6934, 0.4129, 0.4045)$

Have a look what the booklet for  
Yxy(64.6934, 0.4129, 0.4045)  
contains.

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# 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

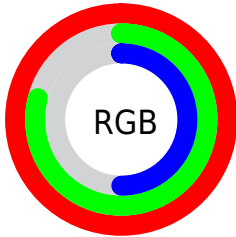
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 255, 127
Decimal	16763263
CIE <sub>Lab</sub>	84.26, 10.51, 44.09
CIE <sub>LCh</sub>	84, 45.329, 76.596
Yxy	64.5656, 0.4133, 0.4046
Android (android.graphics.Color)	4294953343 (0xFFFFC97F)
YUV	208.7100, -40.2830, 40.5963
Hunter-Lab	80.3527, 5.8965,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

# Details

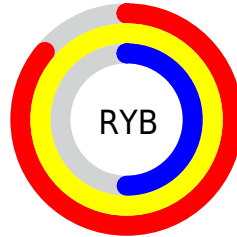
The Yxy color **64.5656, 0.4133, 0.4046** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.7635, 0.2291, 0.2368**, and the grayscale version is **63.8024, 0.3127, 0.3290**.

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**.

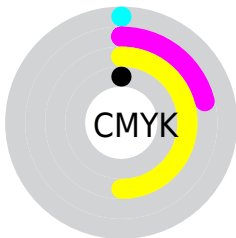
# Distribution



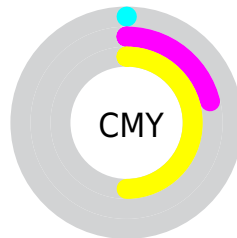
- Red (100%)
- Green (79%)
- Blue (50%)



- 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



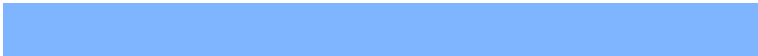
64.5656, 0.2981, 0.2516

# 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



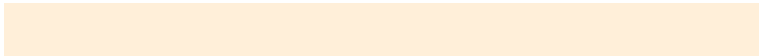
64.5656, 0.2800, 0.2456

# Sweetspot

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



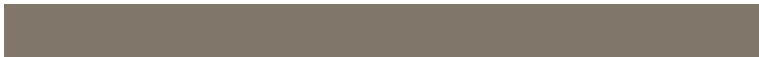
64.5687, 0.4133, 0.4046



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

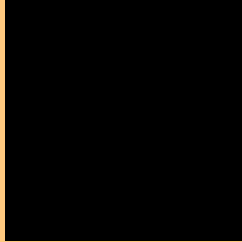
Large Text (above 18pt) WCAG AAA ✓ Pass

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

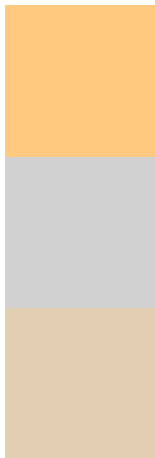
**Deuteranomaly**

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](#).

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