

# Converting Colors

$Yxy(64.1466, 0.4298, 0.4268)$

Have a look what the booklet for  
Yxy(64.1466, 0.4298, 0.4268)  
contains.

<b>Yxy(63.9926, 0.4301, 0.4265)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(63.9926, 0.4301, 0.4265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC966
RGB	255, 201, 102
RGB Percent	100%, 79%, 40%
CMY	0.0000, 0.2118, 0.6001
CMYK	0.00, 0.21, 0.60, 0.00
HSL	39°, 100%, 70%
HSV	39°, 60%, 100%
XYZ	64.5327, 63.9926, 21.5159
YIQ	205.8600, 63.9630, -19.3410

# Conversions

## Conversions Part 2

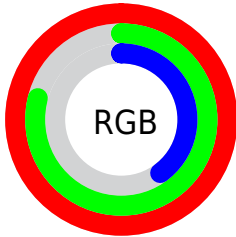
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 255, 102
Decimal	16763238
CIE <sub>Lab</sub>	83.96, 8.59, 55.86
CIE <sub>LCh</sub>	84, 56.512, 81.260
Yxy	63.9926, 0.4301, 0.4265
Android (android.graphics.Color)	4294953318 (0xFFFFC966)
YUV	205.8600, -51.2030, 43.0958
Hunter-Lab	79.9954, 4.0051, 40.0499

# Details

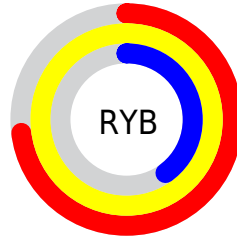
The Yxy color **63.9926, 0.4301, 0.4265** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.8170, 0.2102, 0.2007**, and the grayscale version is **61.9263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **32.6913, 0.4549, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **59.4856, 0.4513, 0.4372**, and if you desaturate by 10%, it is **68.8955, 0.4081, 0.4126**.

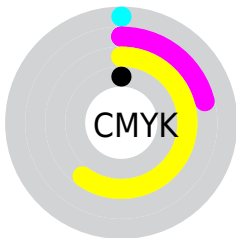
# Distribution



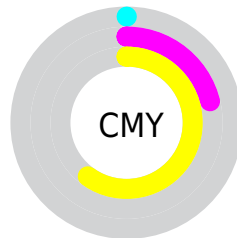
- Red (100%)
- Green (79%)
- Blue (40%)



- Red (73%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (21%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.9926, 0.4301, 0.4265 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 63.9926, 0.4301, 0.4265 by changing the saturation by 10% instead.



 63.9926, 0.4301,  
0.4265


 63.9926, 0.4301,  
0.4265


439.1629, 0.3769,  
0.3843


 46.6447, 0.4413,  
0.4347


 110.6003, 0.4123,  
0.4129

 32.7549, 0.4543,  
0.4440


 140.6288, 0.4051,  
0.4072

 21.9387, 0.4695,  
0.4540


 175.6530, 0.3989,  
0.4023

 13.8119, 0.4867,  
0.4642

 216.0573, 0.3934,  
0.3979

 7.9899, 0.5108,  
0.4779

262.2260, 0.3886,  
0.3939

 4.0885, 0.5238,  
0.4762

314.5436, 0.3842,

 1.7232, 0.5355,

0.3904

0.4645

373.3945, 0.3804,  
0.3872

0.4386, 0.5882,  
0.4118

0.0000, 0.0000,  
0.0000

63.9926, 0.4301,  
0.4265

63.9926, 0.4301,  
0.4265

59.4856, 0.4513,  
0.4372

68.8955, 0.4081,  
0.4126

55.3638, 0.4707,  
0.4434

74.2196, 0.3864,  
0.3965

51.6025, 0.4872,  
0.4445

79.9776, 0.3656,  
0.3794

48.1706, 0.5005,  
0.4408

86.1840, 0.3463,  
0.3621

 92.8523, 0.3286,  
0.3452

99.9952, 0.3127,  
0.3290

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



63.9926, 0.4539, 0.3769



63.9926, 0.4301, 0.4265



63.9926, 0.3757, 0.4575

# Triad

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



63.9926, 0.4301, 0.4265



63.9926, 0.2029, 0.3157



63.9926, 0.3046, 0.2393

# Complementary

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



63.9926, 0.4301, 0.4265



33.8170, 0.2102, 0.2007

# 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.



63.9926, 0.2420, 0.2214



63.9926, 0.4301, 0.4265



63.9926, 0.1889, 0.2570

# Square

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



63.9926, 0.4301, 0.4265



63.9926, 0.2447, 0.3905



63.9926, 0.2023, 0.2261



63.9926, 0.3774, 0.2755



# Rectangle

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



63.9926, 0.4301, 0.4265



63.9926, 0.3308, 0.4565



63.9926, 0.2023, 0.2261



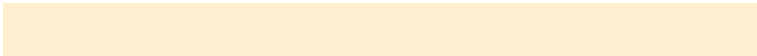
63.9926, 0.2817, 0.2311

# Sweetspot

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



63.9898, 0.4301, 0.4265



87.4845, 0.3426, 0.3587



33.2312, 0.4295, 0.2736



18.3229, 0.3480, 0.3637



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.



63.9898, 0.4301, 0.4265



58.6340, 0.4554, 0.4388



90.0728, 0.3835, 0.4778



19.9485, 0.3278, 0.3443



25.4617, 0.4988, 0.4421



2.6849, 0.4874, 0.4512



# Inverse Universe

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



33.8170, 0.2102, 0.2007



26.2393, 0.1918, 0.1705



20.8853, 0.2076, 0.1404



18.4265, 0.2979, 0.3132



7.8465, 0.1646, 0.1126



0.9604, 0.1709, 0.1351



# Previews

## White Background



This preview shows how the Yxy color 63.9926, 0.4301, 0.4265 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 63.9926, 0.4301, 0.4265 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 63.9926, 0.4301, 0.4265**

## Background



This preview shows how black text looks on a background with the Yxy color 63.9926, 0.4301, 0.4265.



This preview shows how white text looks on a background with the Yxy color 63.9926, 0.4301, 0.4265.

# 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

63.9926, 0.4301, 0.4265

### Protanopia

64.2689, 0.4038, 0.4408

### Deuteranopia

63.8064, 0.4223, 0.4146



## Tritanopia

63.8077, 0.3541, 0.3167

# Trichromacy



## Original Color

63.9926, 0.4301, 0.4265

## Protanomaly

64.1504, 0.4128, 0.4359

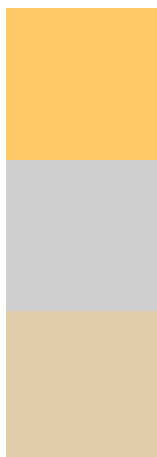
## Deuteranomaly

63.6943, 0.4256, 0.4189

## Tritanomaly

63.5670, 0.3837, 0.3584

# Monochromacy



## Original Color

63.9926, 0.4301, 0.4265

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

61.8602, 0.3554, 0.3702

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.9926, 0.4301, 0.4265 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 63.9926, 0.4301, 0.4265 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, 102) }
```

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

```
.border{ border-color:rgb(255, 201, 102) }
```

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, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.9926, 0.4301, 0.4265 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
201, 102) }
```

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