

# Converting Colors

$Yxy(61.3179, 0.4331, 0.4199)$

Have a look what the booklet for  
Yxy(61.3179, 0.4331, 0.4199)  
contains.

<b>Yxy(61.2897, 0.4328, 0.4194)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(61.2897, 0.4328, 0.4194)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC368
RGB	255, 195, 104
RGB Percent	100%, 76%, 41%
CMY	0.0001, 0.2352, 0.5921
CMYK	0.00, 0.24, 0.59, 0.00
HSL	36°, 100%, 70%
HSV	36°, 59%, 100%
XYZ	63.2479, 61.2897, 21.5990
YIQ	202.5660, 64.9710, -15.5810

# Conversions

## Conversions Part 2

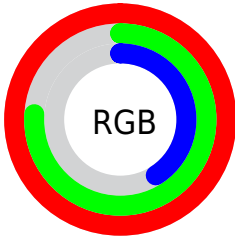
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 255, 104
Decimal	16761704
CIE <sub>Lab</sub>	82.53, 11.81, 53.24
CIE <sub>LCh</sub>	83, 54.538, 77.499
Y <sub>xy</sub>	61.2897, 0.4328, 0.4194
Android (android.graphics.Color)	4294951784 (0xFFFFC368)
YUV	202.5660, -48.5930, 45.9846
Hunter-Lab	78.2877, 7.2049, 38.4438

# Details

The Yxy color **61.2897, 0.4328, 0.4194** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.7075, 0.2135, 0.2116**, and the grayscale version is **59.7167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6887, 0.3719, 0.4213**, and **31.1960, 0.4585, 0.4361** is the 20% darker color. If you saturate the color by 10%, you get **56.4642, 0.4560, 0.4295**, and if you desaturate by 10%, it is **66.5857, 0.4092, 0.4061**.

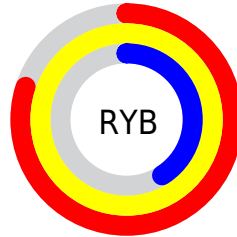
# Distribution



Red (100%)

Green (76%)

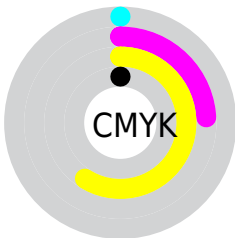
Blue (41%)



Red (80%)

Yellow (100%)

Blue (41%)

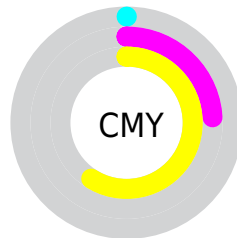


Cyan (0%)

Magenta (24%)

Yellow (59%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2897, 0.4328, 0.4194 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 61.2897, 0.4328, 0.4194 by changing the saturation by 10% instead.





 61.2897, 0.4328,  
0.4194

 61.2897, 0.4328,  
0.4194


429.3354, 0.3775,  
0.3804


 44.4590, 0.4447,  
0.4270


 106.6983, 0.4141,  
0.4068

 31.0315, 0.4587,  
0.4354


 136.0450, 0.4066,  
0.4016

 20.6229, 0.4752,  
0.4445


 170.3324, 0.4002,  
0.3970

 12.8486, 0.4944,  
0.4535

 209.9451, 0.3945,  
0.3929

 7.3244, 0.5218,  
0.4656

255.2673, 0.3895,  
0.3893

 3.6658, 0.5387,  
0.4613

306.6835, 0.3850,

 1.4884, 0.5558,

0.3860

0.4442

364.5781, 0.3811,  
0.3830

0.2806, 0.6642,  
0.3358

0.0000, 0.0000,  
0.0000

61.2897, 0.4328,  
0.4194

61.2897, 0.4328,  
0.4194

56.4642, 0.4560,  
0.4295

66.5857, 0.4092,  
0.4061

52.0794, 0.4777,  
0.4353

72.3618, 0.3864,  
0.3909

48.1149, 0.4966,  
0.4358

78.6383, 0.3649,  
0.3748

44.5380, 0.5120,  
0.4312

85.4312, 0.3452,  
0.3586

■ 44.2666, 0.5132,  
0.4307

■ 92.7555, 0.3274,  
0.3428

99.9952, 0.3127,  
0.3290

# Harmonies

## Analogous

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



61.2897, 0.4511, 0.3698



61.2897, 0.4328, 0.4194



61.2897, 0.3825, 0.4528

# Triad

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



61.2897, 0.4328, 0.4194



61.2897, 0.2087, 0.3249



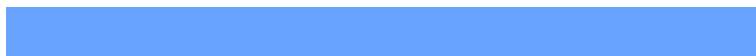
61.2897, 0.2962, 0.2376

# Complementary

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



61.2897, 0.4328, 0.4194



36.7075, 0.2135, 0.2116

# 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.



61.2897, 0.2371, 0.2227



61.2897, 0.4328, 0.4194



61.2897, 0.1914, 0.2643

# Square

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



61.2897, 0.4328, 0.4194



61.2897, 0.2530, 0.3979



61.2897, 0.2012, 0.2304



61.2897, 0.3674, 0.2713



# Rectangle

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



61.2897, 0.4328, 0.4194



61.2897, 0.3392, 0.4555



61.2897, 0.2012, 0.2304



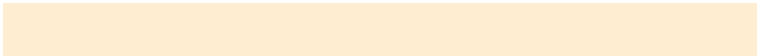
61.2897, 0.2744, 0.2303

# Sweetspot

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



61.2927, 0.4328, 0.4194



86.3027, 0.3430, 0.3567



33.8557, 0.4206, 0.2690



18.0336, 0.3484, 0.3614



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.



61.2927, 0.4328, 0.4194



55.6562, 0.4601, 0.4309



91.0081, 0.3863, 0.4742



19.8089, 0.3279, 0.3433



23.4352, 0.5112, 0.4323

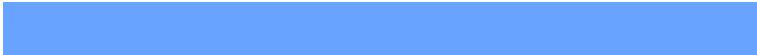


2.4954, 0.4979, 0.4429

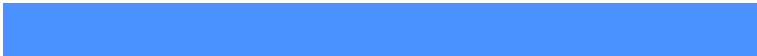


# Inverse Universe

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



36.7075, 0.2135, 0.2116



29.1897, 0.1959, 0.1837



21.0542, 0.2059, 0.1416



18.5616, 0.2979, 0.3143



8.9367, 0.1681, 0.1250



1.0764, 0.1743, 0.1474



# Previews

## White Background



This preview shows how the Yxy color 61.2897, 0.4328, 0.4194 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 61.2897, 0.4328, 0.4194 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 61.2897, 0.4328, 0.4194**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2897, 0.4328, 0.4194.



This preview shows how white text looks on a background with the Yxy color 61.2897, 0.4328, 0.4194.

# 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

61.2897, 0.4328, 0.4194

### Protanopia

61.5562, 0.4001, 0.4362

### Deuteranopia

61.3620, 0.4305, 0.4210



## Tritanopia

61.3500, 0.3601, 0.3177

# Trichromacy



**Original Color**

61.2897, 0.4328, 0.4194

**Protanomaly**

61.3071, 0.4115, 0.4298

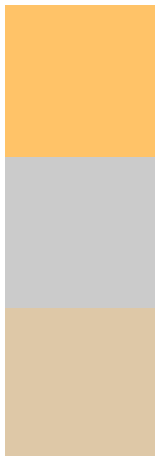
**Deuteranomaly**

61.5502, 0.4313, 0.4207

**Tritanomaly**

61.2019, 0.3889, 0.3575

# Monochromacy



**Original Color**

61.2897, 0.4328, 0.4194

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

59.6282, 0.3556, 0.3672

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2897, 0.4328, 0.4194 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, 195, 104)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 104)  
}
```

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, 195, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2897, 0.4328, 0.4194 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, 195, 104) }
```

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

```
.border{ border-color:rgb(255, 195, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 195, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 104);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2897, 0.4328, 0.4194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 195, 104) }
```

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

```
.background{ background-color: rgb(255,  
195, 104) }
```

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