

# Converting Colors

Yxy(67.0522, 0.4415, 0.3963)

Have a look what the booklet for  
Yxy(67.0522, 0.4415, 0.3963)  
contains.

<b>Yxy(61.6954, 0.4203, 0.4035)</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(61.6954, 0.4203, 0.4035)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC37A
RGB	255, 195, 122
RGB Percent	100%, 76%, 48%
CMY	0.0001, 0.2352, 0.5215
CMYK	0.00, 0.24, 0.52, 0.00
HSL	33°, 100%, 74%
HSV	33°, 52%, 100%
XYZ	64.2641, 61.6954, 26.9411
YIQ	204.6180, 59.1930, -9.9830

# Conversions

## Conversions Part 2

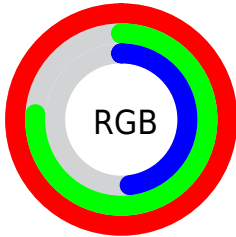
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 255, 122
Decimal	16761722
CIE <sub>Lab</sub>	82.75, 13.20, 44.70
CIE <sub>LCh</sub>	83, 46.608, 73.554
Yxy	61.6954, 0.4203, 0.4035
Android (android.graphics.Color)	4294951802 (0xFFFFC37A)
YUV	204.6180, -40.7307, 44.1850
Hunter-Lab	78.5464, 8.5867, 34.6463

# Details

The Yxy color **61.6954, 0.4203, 0.4035** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.8113, 0.2270, 0.2376**, and the grayscale version is **61.0328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0154, 0.3605, 0.4040**, and **31.1068, 0.4453, 0.4176** is the 20% darker color. If you saturate the color by 10%, you get **56.1896, 0.4460, 0.4148**, and if you desaturate by 10%, it is **67.7699, 0.3955, 0.3900**.

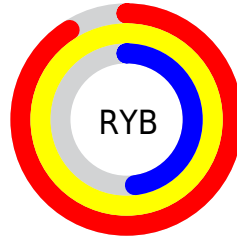
# Distribution



Red (100%)

Green (76%)

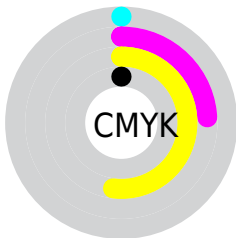
Blue (48%)



Red (91%)

Yellow (100%)

Blue (48%)

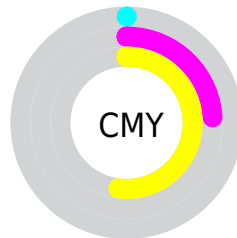


Cyan (0%)

Magenta (24%)

Yellow (52%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.6954, 0.4203, 0.4035 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 61.6954, 0.4203, 0.4035 by changing the saturation by 10% instead.




 61.6954, 0.4203,  
0.4035

 61.6954, 0.4203,  
0.4035


430.8191, 0.3699,  
0.3709


 44.7866, 0.4315,  
0.4101


 107.2852, 0.4030,  
0.3928

 31.2894, 0.4451,  
0.4177


 136.7350, 0.3962,  
0.3884

 20.8193, 0.4616,  
0.4262


 171.1339, 0.3903,  
0.3846

 12.9920, 0.4819,  
0.4354

210.8663, 0.3851,  
0.3812

 7.4230, 0.5067,  
0.4441

256.3167, 0.3806,  
0.3782

 3.7280, 0.5442,  
0.4558

307.8693, 0.3767,

 1.5226, 0.5629,

0.3755

0.4371

365.9087, 0.3731,  
0.3731

0.3046, 0.6676,  
0.3324

0.0000, 0.0000,  
0.0000

61.6954, 0.4203,  
0.4035

61.6954, 0.4203,  
0.4035

56.1896, 0.4460,  
0.4148

67.7699, 0.3955,  
0.3900

51.2214, 0.4714,  
0.4227

74.4247, 0.3724,  
0.3753

46.7694, 0.4950,  
0.4258

81.6817, 0.3514,  
0.3604

42.8055, 0.5155,  
0.4234

89.5590, 0.3326,  
0.3458

40.0055, 0.5290,  
0.4182

98.0737, 0.3160,  
0.3319

99.9965, 0.3127,  
0.3290

# Harmonies

## Analogous

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



61.6954, 0.4304, 0.3601



61.6954, 0.4203, 0.4035



61.6954, 0.3807, 0.4330

# Triad

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



61.6954, 0.4203, 0.4035



61.6954, 0.2268, 0.3344



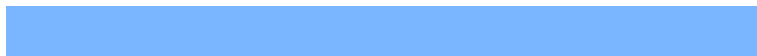
61.6954, 0.2915, 0.2465

# Complementary

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



61.6954, 0.4203, 0.4035



44.8113, 0.2270, 0.2376

# 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.



61.6954, 0.2421, 0.2361



61.6954, 0.4203, 0.4035



61.6954, 0.2077, 0.2801

# Square

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



61.6954, 0.4203, 0.4035



61.6954, 0.2687, 0.3943



61.6954, 0.2132, 0.2465



61.6954, 0.3519, 0.2744



# Rectangle

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



61.6954, 0.4203, 0.4035



61.6954, 0.3443, 0.4369



61.6954, 0.2132, 0.2465



61.6954, 0.2731, 0.2409

# Sweetspot

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



61.6984, 0.4203, 0.4035



86.4610, 0.3396, 0.3514



38.6454, 0.3912, 0.2659



18.1588, 0.3435, 0.3544



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.



61.6984, 0.4203, 0.4035



55.7524, 0.4482, 0.4157



93.3395, 0.3858, 0.4564



19.6401, 0.3280, 0.3421



21.2098, 0.5267, 0.4200

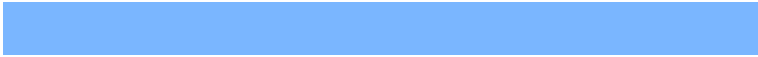


2.2835, 0.5111, 0.4324

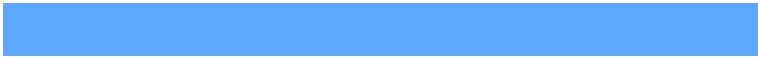


# Inverse Universe

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



44.8113, 0.2270, 0.2376



37.1857, 0.2103, 0.2143



25.6145, 0.2145, 0.1631



18.7270, 0.2979, 0.3156



10.4699, 0.1726, 0.1414



1.2340, 0.1787, 0.1631



# Previews

## White Background



This preview shows how the Yxy color 61.6954, 0.4203, 0.4035 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

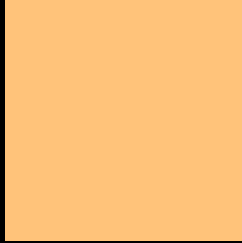
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.6954, 0.4203, 0.4035 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 61.6954, 0.4203, 0.4035**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.6954, 0.4203, 0.4035.



This preview shows how white text looks on a background with the Yxy color 61.6954, 0.4203, 0.4035.

# 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

61.6954, 0.4203, 0.4035

### Protanopia

61.6565, 0.3865, 0.4189

### Deuteranopia

61.8469, 0.4159, 0.4066



## Tritanopia

61.8722, 0.3582, 0.3167

# Trichromacy



**Original Color**

61.6954, 0.4203, 0.4035

**Protanomaly**

61.5546, 0.3984, 0.4128

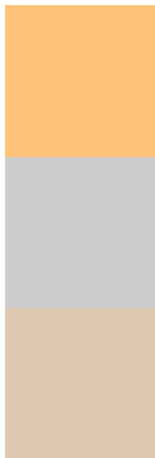
**Deuteranomaly**

61.5804, 0.4173, 0.4053

**Tritanomaly**

61.5002, 0.3821, 0.3491

# Monochromacy



**Original Color**

61.6954, 0.4203, 0.4035

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

60.5564, 0.3500, 0.3589

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.6954, 0.4203, 0.4035 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, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 122)  
}
```

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, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 61.6954, 0.4203, 0.4035 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, 122) }
```

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

```
.border{ border-color:rgb(255, 195, 122) }
```

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, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 195, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 195, 122); box-shadow:4px 4px 4px 4px rgb(255, 195, 122) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.6954, 0.4203, 0.4035 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, 122) }
```

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

```
.background{ background-color: rgb(255,  
195, 122) }
```

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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