

# Converting Colors

Yxy(61.3874, 0.4352, 0.4231)

Have a look what the booklet for  
Yxy(61.3874, 0.4352, 0.4231)  
contains.

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# Color

**Yxy(61.2103, 0.4354, 0.4227)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC364
RGB	255, 195, 100
RGB Percent	100%, 76%, 39%
CMY	0.0001, 0.2352, 0.6078
CMYK	0.00, 0.24, 0.61, 0.00
HSL	37°, 100%, 70%
HSV	37°, 61%, 100%
XYZ	63.0494, 61.2103, 20.5482
YIQ	202.1100, 66.2550, -16.8250

# Conversions

## Conversions Part 2

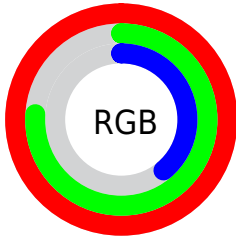
Format	Color
R <sub>Y</sub> B	198, 255, 100
Decimal	16761700
CIE Lab	82.49, 11.53, 55.09
CIE LCh	82, 56.288, 78.178
Yxy	61.2103, 0.4354, 0.4227
Android (android.graphics.Color)	4294951780 (0xFFFFC364)
YUV	202.1100, -50.3402, 46.3845
Hunter-Lab	78.2370, 6.9342, 39.1939

# Details

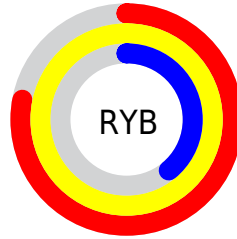
The Yxy color **61.2103, 0.4354, 0.4227** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.0571, 0.2105, 0.2057**, and the grayscale version is **59.4254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5543, 0.3742, 0.4251**, and **31.1615, 0.4610, 0.4391** is the 20% darker color. If you saturate the color by 10%, you get **56.5180, 0.4580, 0.4324**, and if you desaturate by 10%, it is **66.3551, 0.4122, 0.4096**.

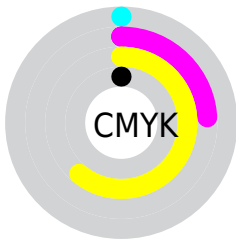
# Distribution



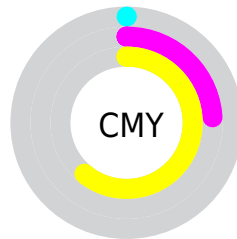
- Red (100%)
- Green (76%)
- Blue (39%)



- Red (78%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (24%)
- Yellow (61%)
- Black (0%)




- Cyan (0%)
- Magenta (24%)
- Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.2103, 0.4354, 0.4227 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 61.2103, 0.4354, 0.4227 by changing the saturation by 10% instead.




 61.2103, 0.4354,  
0.4227


 61.2103, 0.4354,  
0.4227


429.0447, 0.3791,  
0.3824


 44.3949, 0.4473,  
0.4304

 106.5834, 0.4164,  
0.4098


 30.9811, 0.4614,  
0.4390

 135.9098, 0.4089,  
0.4044

 20.5844, 0.4778,  
0.4481


 170.1755, 0.4023,  
0.3996

 12.8206, 0.4966,  
0.4569

 209.7646, 0.3965,  
0.3954

 7.3051, 0.5254,  
0.4705

255.0618, 0.3914,  
0.3916

 3.6536, 0.5376,  
0.4624

306.4512, 0.3868,

 1.4818, 0.5544,

0.3882

0.4456

364.3174, 0.3828,  
0.3852

0.2758, 0.6634,  
0.3366

0.0000, 0.0000,  
0.0000

61.2103, 0.4354,  
0.4227

61.2103, 0.4354,  
0.4227

56.5180, 0.4580,  
0.4324

66.3551, 0.4122,  
0.4096

52.2487, 0.4788,  
0.4376

71.9620, 0.3895,  
0.3944

48.3817, 0.4967,  
0.4375

78.0509, 0.3679,  
0.3782

45.1416, 0.5102,  
0.4331

84.6376, 0.3481,  
0.3617

91.7368, 0.3300,  
0.3456

99.3627, 0.3139,  
0.3302

99.9957, 0.3127,  
0.3290

# Harmonies

## Analogous

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



61.2103, 0.4555, 0.3717



61.2103, 0.4354, 0.4227



61.2103, 0.3828, 0.4572

# Triad

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



61.2103, 0.4354, 0.4227



61.2103, 0.2049, 0.3229



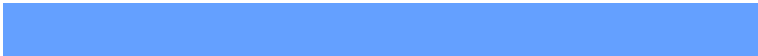
61.2103, 0.2972, 0.2357

# Complementary

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



61.2103, 0.4354, 0.4227



35.0571, 0.2105, 0.2057

# 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.



61.2103, 0.2360, 0.2198



61.2103, 0.4354, 0.4227



61.2103, 0.1879, 0.2610

# Square

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



61.2103, 0.4354, 0.4227



61.2103, 0.2497, 0.3987



61.2103, 0.1987, 0.2270



61.2103, 0.3708, 0.2705



# Rectangle

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



61.2103, 0.4354, 0.4227



61.2103, 0.3380, 0.4596



61.2103, 0.1987, 0.2270



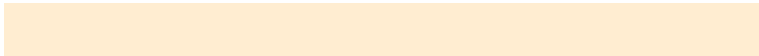
61.2103, 0.2745, 0.2281

# Sweetspot

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



61.2133, 0.4354, 0.4227



86.5763, 0.3429, 0.3572



32.9789, 0.4250, 0.2680



18.1005, 0.3483, 0.3619



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.



61.2133, 0.4354, 0.4227



55.5451, 0.4628, 0.4340



90.8602, 0.3877, 0.4773



19.8413, 0.3279, 0.3435



23.8905, 0.5083, 0.4346

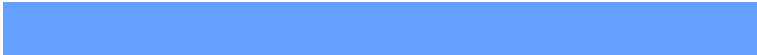


2.5382, 0.4954, 0.4449



# Inverse Universe

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



35.0571, 0.2105, 0.2057



27.4922, 0.1925, 0.1764



20.0122, 0.2028, 0.1365



18.5301, 0.2979, 0.3140



8.6697, 0.1673, 0.1221



1.0484, 0.1735, 0.1445



# Previews

## White Background



This preview shows how the Yxy color 61.2103, 0.4354, 0.4227 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 61.2103, 0.4354, 0.4227 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 61.2103, 0.4354, 0.4227**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.2103, 0.4354, 0.4227.



This preview shows how white text looks on a background with the Yxy color 61.2103, 0.4354, 0.4227.

# 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

61.2103, 0.4354, 0.4227

### Protanopia

61.4528, 0.4032, 0.4409

### Deuteranopia

61.2826, 0.4331, 0.4243



## Tritanopia

61.3500, 0.3601, 0.3177

# Trichromacy



**Original Color**

61.2103, 0.4354, 0.4227

**Protanomaly**

61.2049, 0.4146, 0.4342

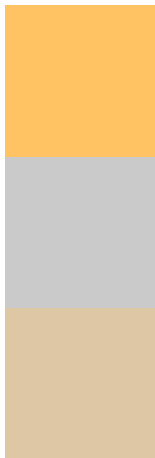
**Deuteranomaly**

61.4708, 0.4339, 0.4240

**Tritanomaly**

61.1659, 0.3897, 0.3585

# Monochromacy



**Original Color**

61.2103, 0.4354, 0.4227

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

58.9356, 0.3566, 0.3685

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.2103, 0.4354, 0.4227 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 195, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 195, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 61.2103, 0.4354, 0.4227 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, 100) }
```

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

```
.border{ border-color:rgb(255, 195, 100) }
```

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, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 195, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 195, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 195,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.2103, 0.4354, 0.4227 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, 100) }
```

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

```
.background{ background-color: rgb(255,  
195, 100) }
```

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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