

# Converting Colors

Yxy(62.1493, 0.4328, 0.4229)

Have a look what the booklet for  
Yxy(62.1493, 0.4328, 0.4229)  
contains.

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# Color

**Yxy(62.1518, 0.4328, 0.4229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC566
RGB	255, 197, 102
RGB Percent	100%, 77%, 40%
CMY	0.0000, 0.2274, 0.6001
CMYK	0.00, 0.23, 0.60, 0.00
HSL	37°, 100%, 70%
HSV	37°, 60%, 100%
XYZ	63.6068, 62.1518, 21.2072
YIQ	203.5120, 65.0630, -17.2490

# Conversions

## Conversions Part 2

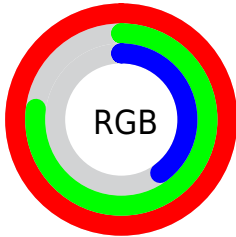
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	195, 255, 102
Decimal	16762214
CIE Lab	82.99, 10.65, 54.75
CIE LCh	83, 55.773, 78.995
Yxy	62.1518, 0.4328, 0.4229
Android (android.graphics.Color)	4294952294 (0xFFFFC566)
YUV	203.5120, -50.0454, 45.1550
Hunter-Lab	78.8364, 6.0536, 39.2364

# Details

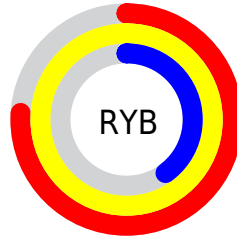
The Yxy color **62.1518, 0.4328, 0.4229** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.1752, 0.2114, 0.2060**, and the grayscale version is **60.3488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5439, 0.3715, 0.4248**, and **31.4773, 0.4587, 0.4388** is the 20% darker color. If you saturate the color by 10%, you get **57.4728, 0.4552, 0.4331**, and if you desaturate by 10%, it is **67.2694, 0.4099, 0.4095**.

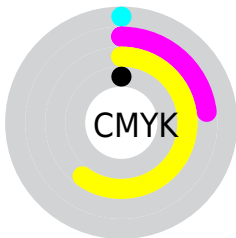
# Distribution



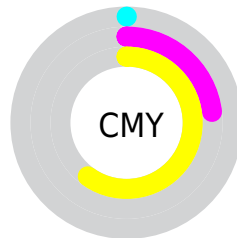
- Red (100%)
- Green (77%)
- Blue (40%)



- Red (76%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (23%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (23%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1518, 0.4328, 0.4229 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 62.1518, 0.4328, 0.4229 by changing the saturation by 10% instead.




 62.1518, 0.4328,  
0.4229


 62.1518, 0.4328,  
0.4229


432.4846, 0.3779,  
0.3824

 45.1554, 0.4445,  
0.4307


 107.9449, 0.4143,  
0.4098


 31.5798, 0.4582,  
0.4395

 137.5103, 0.4069,  
0.4044

 21.0408, 0.4742,  
0.4489


 172.0343, 0.4005,  
0.3997

 13.1538, 0.4926,  
0.4583


 211.9010, 0.3948,  
0.3954

 7.5345, 0.5193,  
0.4714

257.4951, 0.3898,  
0.3916

 3.7986, 0.5333,  
0.4667

309.2007, 0.3854,

 1.5615, 0.5485,

0.3882

0.4515

367.4024, 0.3814,  
0.3851

0.3315, 0.6343,  
0.3657

0.0000, 0.0000,  
0.0000

62.1518, 0.4328,  
0.4229

62.1518, 0.4328,  
0.4229

57.4728, 0.4552,  
0.4331

67.2694, 0.4099,  
0.4095

53.2099, 0.4758,  
0.4388

72.8411, 0.3874,  
0.3940

49.3409, 0.4935,  
0.4393

78.8843, 0.3662,  
0.3775

45.8347, 0.5079,  
0.4349

85.4144, 0.3465,  
0.3608

 92.4458, 0.3287,  
0.3445

99.9923, 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.



62.1518, 0.4536, 0.3728



62.1518, 0.4328, 0.4229



62.1518, 0.3803, 0.4559

# Triad

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



62.1518, 0.4328, 0.4229



62.1518, 0.2054, 0.3211



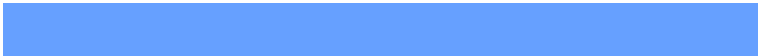
62.1518, 0.2993, 0.2375

# Complementary

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



62.1518, 0.4328, 0.4229



35.1752, 0.2114, 0.2060

# 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.



62.1518, 0.2383, 0.2213



62.1518, 0.4328, 0.4229



62.1518, 0.1894, 0.2607

# Square

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



62.1518, 0.4328, 0.4229



62.1518, 0.2491, 0.3957



62.1518, 0.2007, 0.2278



62.1518, 0.3719, 0.2724



# Rectangle

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



62.1518, 0.4328, 0.4229



62.1518, 0.3360, 0.4573



62.1518, 0.2007, 0.2278



62.1518, 0.2769, 0.2298

# Sweetspot

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



62.1526, 0.4328, 0.4229



86.7870, 0.3428, 0.3575



33.3181, 0.4262, 0.2710



18.1521, 0.3482, 0.3623



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.



62.1526, 0.4328, 0.4229



56.5919, 0.4594, 0.4346



90.5087, 0.3853, 0.4768



19.8662, 0.3279, 0.3437



24.2467, 0.5061, 0.4364

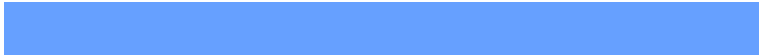


2.5716, 0.4935, 0.4464



# Inverse Universe

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



35.1752, 0.2114, 0.2060



27.6201, 0.1934, 0.1769



20.6985, 0.2059, 0.1397



18.5060, 0.2979, 0.3138



8.4702, 0.1666, 0.1198



1.0273, 0.1729, 0.1423



# Previews

## White Background



This preview shows how the Yxy color 62.1518, 0.4328, 0.4229 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 62.1518, 0.4328, 0.4229 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 62.1518, 0.4328, 0.4229**

## Background



This preview shows how black text looks on a background with the Yxy color 62.1518, 0.4328, 0.4229.



This preview shows how white text looks on a background with the Yxy color 62.1518, 0.4328, 0.4229.

# 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

62.1518, 0.4328, 0.4229

### Protanopia

62.3036, 0.4031, 0.4392

### Deuteranopia

62.1518, 0.4328, 0.4229



## Tritanopia

61.8722, 0.3582, 0.3167

# Trichromacy



**Original Color**

62.1518, 0.4328, 0.4229

**Protanomaly**

61.8885, 0.4136, 0.4330

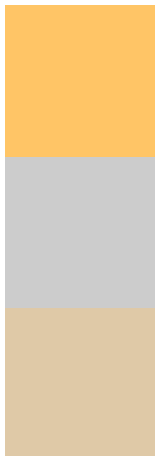
**Deuteranomaly**

62.1518, 0.4328, 0.4229

**Tritanomaly**

61.6759, 0.3876, 0.3575

# Monochromacy



**Original Color**

62.1518, 0.4328, 0.4229

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

60.2513, 0.3562, 0.3681

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  62.1518, 0.4328, 0.4229 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, 197, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 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, 197, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1518, 0.4328, 0.4229 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, 197, 102) }
```

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

```
.border{ border-color:rgb(255, 197, 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, 197, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1518, 0.4328, 0.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 102) }
```

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

```
.background{ background-color: rgb(255,  
197, 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](#).

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