

# Converting Colors

Yxy(61.0827, 0.4225, 0.4041)

Have a look what the booklet for  
Yxy(61.0827, 0.4225, 0.4041)  
contains.

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# Color

**Yxy(61.1996, 0.4224, 0.4044)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC278
RGB	255, 194, 120
RGB Percent	100%, 76%, 47%
CMY	0.0000, 0.2392, 0.5294
CMYK	0.00, 0.24, 0.53, 0.00
HSL	33°, 100%, 74%
HSV	33°, 53%, 100%
XYZ	63.9236, 61.1996, 26.2111
YIQ	203.8030, 60.1100, -10.0820

# Conversions

## Conversions Part 2

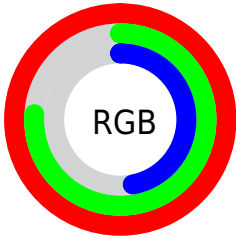
Format	Color
R <sub>Y</sub> B	231, 255, 120
Decimal	16761464
CIE Lab	82.49, 13.56, 45.39
CIE LCh	82, 47.372, 73.363
Yxy	61.1996, 0.4224, 0.4044
Android (android.graphics.Color)	4294951544 (0xFFFFC278)
YUV	203.8030, -41.3149, 44.8998
Hunter-Lab	78.2302, 8.9535, 34.8959

# Details

The Yxy color **61.1996, 0.4224, 0.4044** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **44.2576, 0.2257, 0.2360**, and the grayscale version is **60.4904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6872, 0.3622, 0.4042**, and **30.7879, 0.4479, 0.4184** is the 20% darker color. If you saturate the color by 10%, you get **55.7311, 0.4481, 0.4155**, and if you desaturate by 10%, it is **67.2340, 0.3975, 0.3910**.

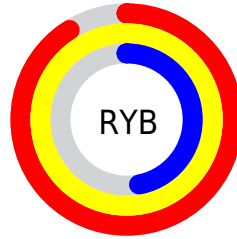
# Distribution



Red (100%)

Green (76%)

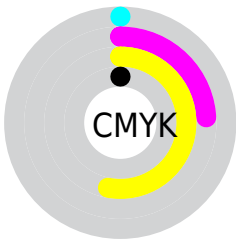
Blue (47%)



Red (91%)

Yellow (100%)

Blue (47%)

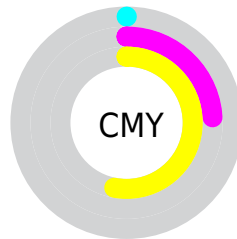


Cyan (0%)

Magenta (24%)

Yellow (53%)

Black (0%)



Cyan (0%)

Magenta (24%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1996, 0.4224, 0.4044 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 61.1996, 0.4224, 0.4044 by changing the saturation by 10% instead.




 61.1996, 0.4224,  
0.4044


 61.1996, 0.4224,  
0.4044


429.0055, 0.3710,  
0.3714


 44.3863, 0.4338,  
0.4110


 106.5679, 0.4047,  
0.3936

 30.9743, 0.4476,  
0.4186


 135.8916, 0.3978,  
0.3892

 20.5793, 0.4645,  
0.4271


 170.1543, 0.3918,  
0.3853

 12.8168, 0.4850,  
0.4360

209.7403, 0.3866,  
0.3819

 7.3025, 0.5102,  
0.4445

255.0340, 0.3820,  
0.3788

 3.6520, 0.5461,  
0.4539

306.4199, 0.3779,

 1.4809, 0.5655,

0.3761

0.4345

364.2822, 0.3743,  
0.3737

0.2752, 0.6829,  
0.3171

0.0000, 0.0000,  
0.0000

61.1996, 0.4224,  
0.4044

61.1996, 0.4224,  
0.4044

55.7311, 0.4481,  
0.4155

67.2340, 0.3975,  
0.3910

50.8009, 0.4735,  
0.4230

73.8497, 0.3742,  
0.3764

46.3861, 0.4970,  
0.4256

81.0678, 0.3530,  
0.3615

42.4581, 0.5171,  
0.4228

88.9062, 0.3341,  
0.3469

■ 39.9543, 0.5292,  
0.4180

■ 97.3822, 0.3173,  
0.3330

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.



61.1996, 0.4326, 0.3602



61.1996, 0.4224, 0.4044



61.1996, 0.3821, 0.4348

# Triad

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



61.1996, 0.4224, 0.4044



61.1996, 0.2254, 0.3348



61.1996, 0.2906, 0.2450

# Complementary

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



61.1996, 0.4224, 0.4044



44.2576, 0.2257, 0.2360

# 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.



61.1996, 0.2406, 0.2345



61.1996, 0.4224, 0.4044



61.1996, 0.2060, 0.2794

# Square

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



61.1996, 0.4224, 0.4044



61.1996, 0.2681, 0.3960



61.1996, 0.2114, 0.2452



61.1996, 0.3522, 0.2732



# Rectangle

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



61.1996, 0.4224, 0.4044



61.1996, 0.3451, 0.4391



61.1996, 0.2114, 0.2452



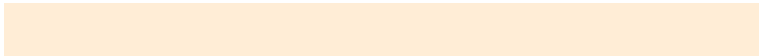
61.1996, 0.2720, 0.2394

# Sweetspot

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



61.2013, 0.4224, 0.4044



86.4427, 0.3396, 0.3513



38.1110, 0.3930, 0.2650



18.1544, 0.3435, 0.3543



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.



61.2013, 0.4224, 0.4044



55.1846, 0.4508, 0.4165



93.2925, 0.3867, 0.4581



19.6377, 0.3280, 0.3420



21.1796, 0.5269, 0.4198

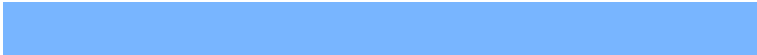


2.2806, 0.5113, 0.4322



# Inverse Universe

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



44.2576, 0.2257, 0.2360



36.5890, 0.2088, 0.2123



24.9743, 0.2128, 0.1603



18.7294, 0.2979, 0.3156



10.4937, 0.1727, 0.1417



1.2364, 0.1787, 0.1633



# Previews

## White Background



This preview shows how the Yxy color 61.1996, 0.4224, 0.4044 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 61.1996, 0.4224, 0.4044 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 61.1996, 0.4224, 0.4044**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.1996, 0.4224, 0.4044.



This preview shows how white text looks on a background with the Yxy color 61.1996, 0.4224, 0.4044.

# 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

61.1996, 0.4224, 0.4044

### Protanopia

61.6054, 0.3879, 0.4210

### Deuteranopia

61.1599, 0.4171, 0.4078



## Tritanopia

60.9708, 0.3595, 0.3157

# Trichromacy



**Original Color**

61.1996, 0.4224, 0.4044

**Protanomaly**

61.5040, 0.3998, 0.4148

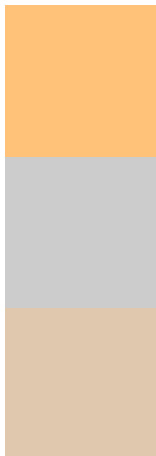
**Deuteranomaly**

61.0817, 0.4193, 0.4062

**Tritanomaly**

61.0272, 0.3833, 0.3491

# Monochromacy



**Original Color**

61.1996, 0.4224, 0.4044

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

60.0137, 0.3518, 0.3601

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.1996, 0.4224, 0.4044 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, 194, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 194, 120)  
}
```

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, 194, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 194, 120) }
```

## Border

The CSS property to change the border of an element to Yxy 61.1996, 0.4224, 0.4044 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, 194, 120) }
```

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

```
.border{ border-color:rgb(255, 194, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 194, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 194, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 194, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 194,  
120) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.1996, 0.4224, 0.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 194, 120) }
```

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

```
.background{ background-color: rgb(255,  
194, 120) }
```

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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