

# Converting Colors

Yxy(62.6714, 0.4445, 0.4416)

Have a look what the booklet for  
Yxy(62.6714, 0.4445, 0.4416)  
contains.

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# Color

**Yxy(62.6714, 0.4445, 0.4416)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC74F
RGB	255, 199, 79
RGB Percent	100%, 78%, 31%
CMY	0.0000, 0.2196, 0.6903
CMYK	0.00, 0.22, 0.69, 0.00
HSL	41°, 100%, 65%
HSV	41°, 69%, 100%
XYZ	63.0830, 62.6714, 16.1646
YIQ	202.0640, 71.8960, -25.4480

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 255, 79
Decimal	16762703
CIE Lab	83.27, 8.26, 65.25
CIE LCh	83, 65.774, 82.788
Yxy	62.6714, 0.4445, 0.4416
Android (android.graphics.Color)	4294952783 (0xFFFFC74F)
YUV	202.0640, -60.6706, 46.4249
Hunter-Lab	79.1653, 3.6988, 43.3094

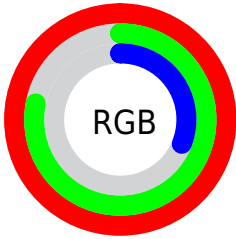
# Details

The Yxy color **62.6714, 0.4445, 0.4416** is a light color, and the websafe version is hex **FFCC66**.

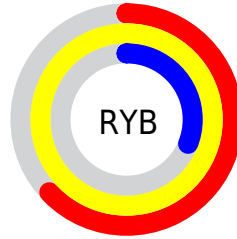
The color can be described as light washed yellow. A complement of this color would be **26.2054, 0.1941, 0.1699**, and the grayscale version is **59.4526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5012, 0.3829, 0.4451**, and **31.7606, 0.4694, 0.4591** is the 20% darker color. If you saturate the color by 10%, you get **58.7311, 0.4625, 0.4490**, and if you desaturate by 10%, it is **66.9471, 0.4245, 0.4299**.

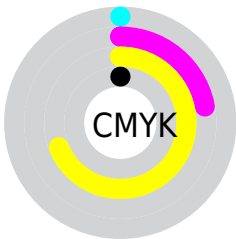
# Distribution



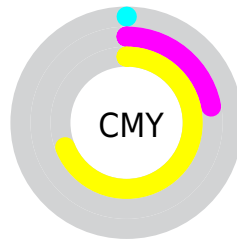
- Red (100%)
- Green (78%)
- Blue (31%)



- Red (63%)
- Yellow (100%)
- Blue (31%)



- Cyan (0%)
- Magenta (22%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (22%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6714, 0.4445, 0.4416 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 62.6714, 0.4445, 0.4416 by changing the saturation by 10% instead.




 62.6714, 0.4445,  
0.4416


 62.6714, 0.4445,  
0.4416


434.3759, 0.3861,  
0.3941

 45.5754, 0.4561,  
0.4502


 108.6953, 0.4254,  
0.4267

 31.9109, 0.4691,  
0.4595


 138.3920, 0.4176,  
0.4204

 21.2935, 0.4836,  
0.4688


 173.0578, 0.4108,  
0.4148

 13.3387, 0.4992,  
0.4774

 213.0770, 0.4047,  
0.4098

 7.6622, 0.5159,  
0.4841

 258.8340, 0.3992,  
0.4052

 3.8796, 0.5230,  
0.4770

310.7132, 0.3944,

 1.6064, 0.5348,

0.4012

369.0991, 0.3900,  
0.3975

0.4652

0.3619, 0.6012,  
0.3988

0.0000, 0.0000,  
0.0000

62.6714, 0.4445,  
0.4416

62.6714, 0.4445,  
0.4416

58.7311, 0.4625,  
0.4490

66.9471, 0.4245,  
0.4299

55.1147, 0.4777,  
0.4514

71.5848, 0.4037,  
0.4151

51.7907, 0.4898,  
0.4488

76.5972, 0.3829,  
0.3981

51.4798, 0.4909,  
0.4484

81.9985, 0.3629,  
0.3802

■ 87.8022, 0.3442,  
0.3620

■ 94.0205, 0.3269,  
0.3443

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.



62.6714, 0.4764, 0.3839



62.6714, 0.4445, 0.4416



62.6714, 0.3794, 0.4799

# Triad

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



62.6714, 0.4445, 0.4416



62.6714, 0.1848, 0.3075



62.6714, 0.3067, 0.2282

# Complementary

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



62.6714, 0.4445, 0.4416



26.2054, 0.1941, 0.1699

# 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.



62.6714, 0.2338, 0.2068



62.6714, 0.4445, 0.4416



62.6714, 0.1715, 0.2418

# Square

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



62.6714, 0.4445, 0.4416



62.6714, 0.2298, 0.3973



62.6714, 0.1881, 0.2098



62.6714, 0.3923, 0.2696



# Rectangle

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



62.6714, 0.4445, 0.4416



62.6714, 0.3273, 0.4795



62.6714, 0.1881, 0.2098



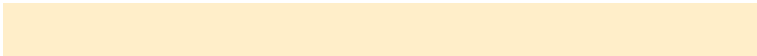
62.6714, 0.2799, 0.2186

# Sweetspot

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



62.6684, 0.4445, 0.4416



86.6249, 0.3478, 0.3656



28.6740, 0.4666, 0.2753



18.1943, 0.3529, 0.3706



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.



62.6684, 0.4445, 0.4416



57.2573, 0.4689, 0.4506



88.1986, 0.3856, 0.4971



20.0587, 0.3277, 0.3451



27.1803, 0.4894, 0.4496



2.8435, 0.4794, 0.4576



# Inverse Universe

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



26.2054, 0.1941, 0.1699



19.0431, 0.1756, 0.1353



16.0171, 0.1942, 0.1149



18.3210, 0.2979, 0.3123



7.0943, 0.1622, 0.1037



0.8777, 0.1683, 0.1259



# Previews

## White Background



This preview shows how the Yxy color 62.6714, 0.4445, 0.4416 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 62.6714, 0.4445, 0.4416 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 62.6714, 0.4445, 0.4416**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.6714, 0.4445, 0.4416.



This preview shows how white text looks on a background with the Yxy color 62.6714, 0.4445, 0.4416.

# 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

62.6714, 0.4445, 0.4416

### Protanopia

62.8768, 0.4177, 0.4579

### Deuteranopia

62.5300, 0.4346, 0.4270



## Tritanopia

62.7859, 0.3569, 0.3177

# Trichromacy



## Original Color

62.6714, 0.4445, 0.4416

## Protanomaly

62.7820, 0.4268, 0.4523

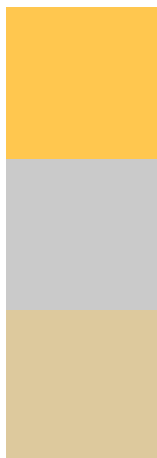
## Deuteranomaly

62.4035, 0.4387, 0.4324

## Tritanomaly

62.2779, 0.3935, 0.3678

# Monochromacy



## Original Color

62.6714, 0.4445, 0.4416

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.5798, 0.3622, 0.3800

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6714, 0.4445, 0.4416 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, 199, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 79)  
}
```

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, 199, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 79) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6714, 0.4445, 0.4416 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, 199, 79) }
```

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

```
.border{ border-color:rgb(255, 199, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 199, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
79) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6714, 0.4445, 0.4416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 79) }
```

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

```
.background{ background-color: rgb(255,  
199, 79) }
```

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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