

# Converting Colors

Yxy(62.3608, 0.4399, 0.4338)

Have a look what the booklet for  
Yxy(62.3608, 0.4399, 0.4338)  
contains.

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# Color

**Yxy(62.3694, 0.4399, 0.4338)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC659
RGB	255, 198, 89
RGB Percent	100%, 78%, 35%
CMY	0.0000, 0.2236, 0.6509
CMYK	0.00, 0.22, 0.65, 0.00
HSL	39°, 100%, 67%
HSV	39°, 65%, 100%
XYZ	63.2464, 62.3694, 18.1587
YIQ	202.6170, 68.9610, -21.8150

# Conversions

## Conversions Part 2

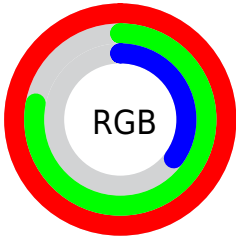
Format	Color
R <sub>Y</sub> B	176, 255, 89
Decimal	16762457
CIE Lab	83.11, 9.32, 60.79
CIE LCh	83, 61.501, 81.282
Yxy	62.3694, 0.4399, 0.4338
Android (android.graphics.Color)	4294952537 (0xFFFFC659)
YUV	202.6170, -56.0132, 45.9399
Hunter-Lab	78.9743, 4.7464, 41.6493

# Details

The Yxy color **62.3694, 0.4399, 0.4338** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **29.9090, 0.2015, 0.1857**, and the grayscale version is **59.7912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7632, 0.3782, 0.4373**, and **31.5313, 0.4649, 0.4509** is the 20% darker color. If you saturate the color by 10%, you get **58.1211, 0.4599, 0.4425**, and if you desaturate by 10%, it is **66.9917, 0.4185, 0.4212**.

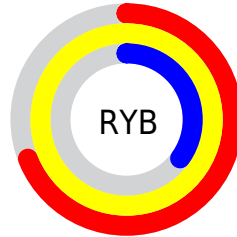
# Distribution



Red (100%)

Green (78%)

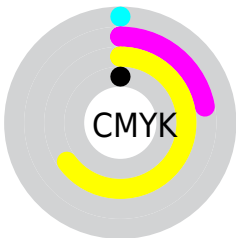
Blue (35%)



Red (69%)

Yellow (100%)

Blue (35%)

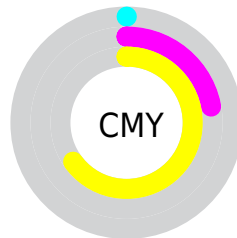


Cyan (0%)

Magenta (22%)

Yellow (65%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3694, 0.4399, 0.4338 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 62.3694, 0.4399, 0.4338 by changing the saturation by 10% instead.




 62.3694, 0.4399,  
0.4338

 62.3694, 0.4399,  
0.4338


433.2773, 0.3827,  
0.3891

 45.3313, 0.4516,  
0.4421


 108.2592, 0.4210,  
0.4196

 31.7184, 0.4651,  
0.4513

 137.8797, 0.4133,  
0.4137

 21.1465, 0.4803,  
0.4607


 172.4631, 0.4066,  
0.4084

 13.2311, 0.4970,  
0.4694

 212.3938, 0.4006,  
0.4037

 7.5879, 0.5196,  
0.4804

258.0561, 0.3954,  
0.3995

 3.8324, 0.5276,  
0.4724

309.8346, 0.3907,

 1.5803, 0.5410,

0.3957

0.4590

368.1135, 0.3865,  
0.3922

0.3442, 0.6171,  
0.3829

0.0000, 0.0000,  
0.0000

62.3694, 0.4399,  
0.4338

62.3694, 0.4399,  
0.4338

58.1211, 0.4599,  
0.4425

66.9917, 0.4185,  
0.4212

54.2356, 0.4775,  
0.4464

72.0142, 0.3968,  
0.4059

50.6861, 0.4918,  
0.4450

77.4501, 0.3757,  
0.3890

49.0521, 0.4978,  
0.4429

83.3139, 0.3558,  
0.3715

■ 89.6193, 0.3373,  
0.3541

■ 96.3791, 0.3206,  
0.3372

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.



62.3694, 0.4670, 0.3794



62.3694, 0.4399, 0.4338



62.3694, 0.3801, 0.4697

# Triad

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



62.3694, 0.4399, 0.4338



62.3694, 0.1934, 0.3134



62.3694, 0.3035, 0.2320

# Complementary

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



62.3694, 0.4399, 0.4338



29.9090, 0.2015, 0.1857

# 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.



62.3694, 0.2356, 0.2128



62.3694, 0.4399, 0.4338



62.3694, 0.1789, 0.2498

# Square

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



62.3694, 0.4399, 0.4338



62.3694, 0.2380, 0.3968



62.3694, 0.1933, 0.2173



62.3694, 0.3836, 0.2707



# Rectangle

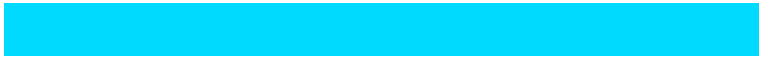
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.3694, 0.4399, 0.4338



62.3694, 0.3312, 0.4701



62.3694, 0.1933, 0.2173



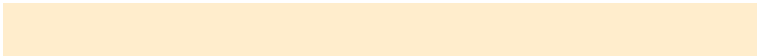
62.3694, 0.2785, 0.2232

# Sweetspot

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



62.3665, 0.4399, 0.4338



86.4688, 0.3462, 0.3626



30.5172, 0.4492, 0.2737



18.1321, 0.3514, 0.3675



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.



62.3665, 0.4399, 0.4338



56.9552, 0.4653, 0.4442



89.0814, 0.3853, 0.4888



19.9785, 0.3278, 0.3446



25.9198, 0.4962, 0.4442



2.7273, 0.4852, 0.4530



# Inverse Universe

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



29.9090, 0.2015, 0.1857



22.5823, 0.1832, 0.1535



17.9387, 0.1996, 0.1254



18.3977, 0.2979, 0.3129



7.6322, 0.1639, 0.1101



0.9371, 0.1702, 0.1325



# Previews

## White Background



This preview shows how the Yxy color 62.3694, 0.4399, 0.4338 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 62.3694, 0.4399, 0.4338 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 62.3694, 0.4399, 0.4338**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3694, 0.4399, 0.4338.



This preview shows how white text looks on a background with the Yxy color 62.3694, 0.4399, 0.4338.

# 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

62.3694, 0.4399, 0.4338

### Protanopia

62.7075, 0.4108, 0.4510

### Deuteranopia

62.5490, 0.4340, 0.4262



## Tritanopia

62.3512, 0.3572, 0.3167

# Trichromacy



**Original Color**

62.3694, 0.4399, 0.4338

**Protanomaly**

62.2918, 0.4215, 0.4444

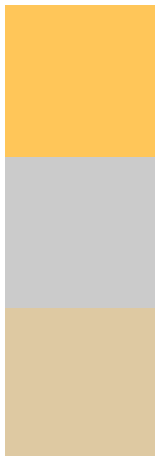
**Deuteranomaly**

62.4744, 0.4364, 0.4293

**Tritanomaly**

61.9731, 0.3906, 0.3627

# Monochromacy



**Original Color**

62.3694, 0.4399, 0.4338

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

59.9115, 0.3592, 0.3741

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3694, 0.4399, 0.4338 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, 198, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 198, 89)  
}
```

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, 198, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 198, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3694, 0.4399, 0.4338 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, 198, 89) }
```

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

```
.border{ border-color:rgb(255, 198, 89) }
```

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

Here you see how a box with a 4 pixel rgb(255, 198, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 198, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 198, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 198,  
89) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 62.3694, 0.4399, 0.4338$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 198, 89) }
```

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

```
.background{ background-color: rgb(255,  
198, 89) }
```

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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