

# Converting Colors

Yxy(63.6663, 0.4460, 0.4481)

Have a look what the booklet for  
Yxy(63.6663, 0.4460, 0.4481)  
contains.

<b>Yxy(63.5012, 0.4462, 0.4477)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(63.5012, 0.4462, 0.4477)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC948
RGB	255, 201, 72
RGB Percent	100%, 79%, 28%
CMY	0.0001, 0.2117, 0.7177
CMYK	0.00, 0.21, 0.72, 0.00
HSL	42°, 100%, 64%
HSV	42°, 72%, 100%
XYZ	63.2884, 63.5012, 15.0491
YIQ	202.4400, 73.5930, -28.6710

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	149, 255, 72
Decimal	16763208
CIELab	83.71, 6.85, 68.50
CIElCh	84, 68.841, 84.289
Yxy	63.5012, 0.4462, 0.4477
Android (android.graphics.Color)	4294953288 (0xFFFFC948)
YUV	202.4400, -64.3069, 46.0951
Hunter-Lab	79.6876, 2.3125, 44.5844

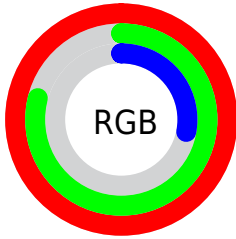
# Details

The Yxy color **63.5012, 0.4462, 0.4477** is a light color, and the websafe version is hex **FFCC33**.

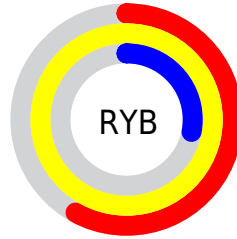
The color can be described as light washed yellow. A complement of this color would be **23.5016, 0.1887, 0.1574**, and the grayscale version is **59.7274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3123, 0.3864, 0.4509**, and **32.3368, 0.4700, 0.4650** is the 20% darker color. If you saturate the color by 10%, you get **59.8175, 0.4625, 0.4542**, and if you desaturate by 10%, it is **67.5005, 0.4276, 0.4367**.

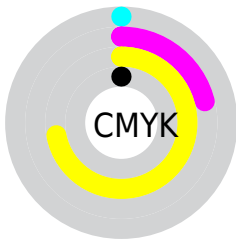
# Distribution



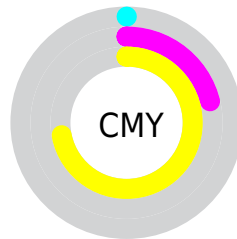
- Red (100%)
- Green (79%)
- Blue (28%)



- Red (58%)
- Yellow (100%)
- Blue (28%)



- Cyan (0%)
- Magenta (21%)
- Yellow (72%)
- Black (0%)




- Cyan (0%)
- Magenta (21%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5012, 0.4462, 0.4477 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 63.5012, 0.4462, 0.4477 by changing the saturation by 10% instead.




 63.5012, 0.4462,  
0.4477

 63.5012, 0.4462,  
0.4477


437.3862, 0.3879,  
0.3980


 46.2468, 0.4575,  
0.4566

 109.8923, 0.4274,  
0.4322


 32.4406, 0.4700,  
0.4660


 139.7977, 0.4196,  
0.4257


 21.6983, 0.4835,  
0.4754


 174.6890, 0.4127,  
0.4198

 13.6354, 0.4984,  
0.4846

 214.9504, 0.4066,  
0.4145

 7.8675, 0.5109,  
0.4891

 260.9665, 0.4012,  
0.4097

 4.0103, 0.5167,  
0.4833

313.1215, 0.3963,

 1.6793, 0.5264,

0.4054

0.4736

371.8000, 0.3919,  
0.4015

0.4102, 0.5759,  
0.4241

0.0000, 0.0000,  
0.0000

63.5012, 0.4462,  
0.4477

63.5012, 0.4462,  
0.4477

59.8175, 0.4625,  
0.4542

67.5005, 0.4276,  
0.4367

56.4194, 0.4758,  
0.4556

71.8238, 0.4078,  
0.4222

53.8138, 0.4846,  
0.4534

76.4895, 0.3875,  
0.4052

81.5119, 0.3677,  
0.3869

86.9038, 0.3489,  
0.3682

92.6773, 0.3314,  
0.3498

98.8437, 0.3154,  
0.3320

99.9947, 0.3127,  
0.3290

# Harmonies

## Analogous

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



63.5012, 0.4822, 0.3880



63.5012, 0.4462, 0.4477



63.5012, 0.3773, 0.4870

# Triad

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



63.5012, 0.4462, 0.4477



63.5012, 0.1787, 0.3019



63.5012, 0.3106, 0.2264

# Complementary

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



63.5012, 0.4462, 0.4477



23.5016, 0.1887, 0.1574

# 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.



63.5012, 0.2339, 0.2032



63.5012, 0.4462, 0.4477



63.5012, 0.1669, 0.2357

# Square

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



63.5012, 0.4462, 0.4477



63.5012, 0.2233, 0.3955



63.5012, 0.1855, 0.2048



63.5012, 0.3997, 0.2699



# Rectangle

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



63.5012, 0.4462, 0.4477



63.5012, 0.3231, 0.4852



63.5012, 0.1855, 0.2048



63.5012, 0.2824, 0.2162

# Sweetspot

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



63.5043, 0.4462, 0.4477



86.7955, 0.3493, 0.3687



27.4168, 0.4852, 0.2809



18.2573, 0.3543, 0.3737



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.



63.5043, 0.4462, 0.4477



58.3596, 0.4685, 0.4554



86.9331, 0.3827, 0.5045



20.1330, 0.3277, 0.3457



28.3977, 0.4832, 0.4545



2.9548, 0.4742, 0.4617



# Inverse Universe

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



23.5016, 0.1887, 0.1574



16.7734, 0.1708, 0.1227



15.0760, 0.1932, 0.1094



18.2504, 0.2979, 0.3117



6.6389, 0.1606, 0.0981



0.8262, 0.1667, 0.1200



# Previews

## White Background



This preview shows how the Yxy color 63.5012, 0.4462, 0.4477 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 63.5012, 0.4462, 0.4477 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 63.5012, 0.4462, 0.4477**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.5012, 0.4462, 0.4477.



This preview shows how white text looks on a background with the Yxy color 63.5012, 0.4462, 0.4477.

# 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

63.5012, 0.4462, 0.4477

### Protanopia

63.4190, 0.4215, 0.4638

### Deuteranopia

63.5680, 0.4295, 0.4240



## Tritanopia

63.3189, 0.3551, 0.3167

# Trichromacy



**Original Color**

63.5012, 0.4462, 0.4477

**Protanomaly**

63.3244, 0.4307, 0.4580

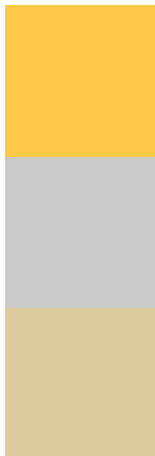
**Deuteranomaly**

63.3413, 0.4367, 0.4334

**Tritanomaly**

62.6905, 0.3939, 0.3699

# Monochromacy



**Original Color**

63.5012, 0.4462, 0.4477

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

59.9798, 0.3635, 0.3834

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.5012, 0.4462, 0.4477 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, 201, 72)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 72)  
}
```

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, 201, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 72) }
```

## Border

The CSS property to change the border of an element to Yxy 63.5012, 0.4462, 0.4477 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, 201, 72) }
```

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

```
.border{ border-color:rgb(255, 201, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 72);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
72) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.5012, 0.4462, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 72) }
```

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

```
.background{ background-color: rgb(255,  
201, 72) }
```

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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