

# Converting Colors

Yxy(56.2191, 0.4496, 0.4370)

Have a look what the booklet for  
Yxy(56.2191, 0.4496, 0.4370)  
contains.

<b>Yxy(56.4447, 0.4492, 0.4372)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(56.4447, 0.4492, 0.4372)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8BC4C
RGB	248, 188, 76
RGB Percent	97%, 74%, 30%
CMY	0.0275, 0.2627, 0.7022
CMYK	0.00, 0.24, 0.69, 0.03
HSL	39°, 92%, 64%
HSV	39°, 69%, 97%
XYZ	57.9940, 56.4447, 14.6663
YIQ	193.1720, 71.7120, -22.1120

# Conversions

## Conversions Part 2

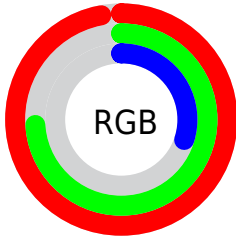
Format	Color
<b>RYB</b>	168, 248, 76
Decimal	16301132
CIELab	79.87, 10.87, 62.76
CIELCh	80, 63.698, 80.177
Yxy	56.4447, 0.4492, 0.4372
Android (android.graphics.Color)	4294491212 (0xFFF8BC4C)
YUV	193.1720, -57.7658, 48.0842
Hunter-Lab	75.1297, 6.3104, 41.0166

# Details

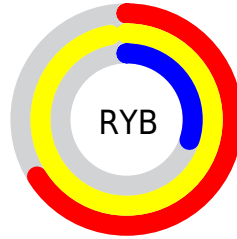
The Yxy color **56.4447, 0.4492, 0.4372** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light washed orange. A complement of this color would be **25.8973, 0.1955, 0.1763**, and the grayscale version is **53.7482, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5731, 0.3898, 0.4398**, and **27.9272, 0.4757, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **52.5827, 0.4685, 0.4439**, and if you desaturate by 10%, it is **60.6663, 0.4281, 0.4262**.

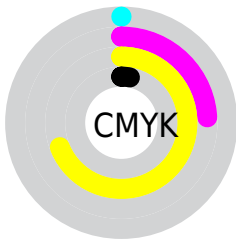
# Distribution



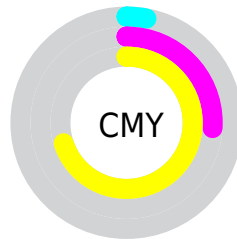
- Red (97%)
- Green (74%)
- Blue (30%)



- Red (66%)
- Yellow (97%)
- Blue (30%)



- Cyan (0%)
- Magenta (24%)
- Yellow (69%)
- Black (3%)




- Cyan (3%)
- Magenta (26%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4447, 0.4492, 0.4372 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 56.4447, 0.4492, 0.4372 by changing the saturation by 10% instead.




 56.4447, 0.4492,  
0.4372


 56.4447, 0.4492,  
0.4372


411.3652, 0.3872,  
0.3913


 40.5596, 0.4618,  
0.4455


 99.6545, 0.4287,  
0.4228


 27.9751, 0.4762,  
0.4542


 127.7479, 0.4204,  
0.4167

 18.3069, 0.4922,  
0.4627

 160.6796, 0.4131,  
0.4113

 11.1705, 0.5112,  
0.4712

 198.8339, 0.4066,  
0.4064

 6.1817, 0.5274,  
0.4726

 242.5952, 0.4009,  
0.4020

 2.9559, 0.5382,  
0.4618

292.3480, 0.3959,

 1.1087, 0.5568,

0.3981

0.4432

348.4765, 0.3913,  
0.3945

■ 0.0000, 1.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.4447, 0.4492,  
0.4372

■ 56.4447, 0.4492,  
0.4372

■ 52.5827, 0.4685,  
0.4439

■ 60.6663, 0.4281,  
0.4262

■ 49.0519, 0.4850,  
0.4455


■ 65.2567, 0.4062,  
0.4120

■ 45.8261, 0.4983,  
0.4422


■ 70.2341, 0.3847,  
0.3958

■ 45.6319, 0.4991,  
0.4419

■ 75.6129, 0.3642,  
0.3785

 81.4065, 0.3450,  
0.3612

 87.6272, 0.3275,  
0.3442

 94.2868, 0.3118,  
0.3280

 98.6937, 0.3084,  
0.3290

# Harmonies

## Analogous

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



56.4447, 0.4774, 0.3787



56.4447, 0.4492, 0.4372



56.4447, 0.3860, 0.4785

# Triad

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



56.4447, 0.4492, 0.4372



56.4447, 0.1871, 0.3147



56.4447, 0.2995, 0.2252

# Complementary

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



56.4447, 0.4492, 0.4372



25.8973, 0.1955, 0.1763

# 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.



56.4447, 0.2285, 0.2058



56.4447, 0.4492, 0.4372



56.4447, 0.1711, 0.2459

# Square

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



56.4447, 0.4492, 0.4372



56.4447, 0.2350, 0.4052



56.4447, 0.1852, 0.2111



56.4447, 0.3853, 0.2652



# Rectangle

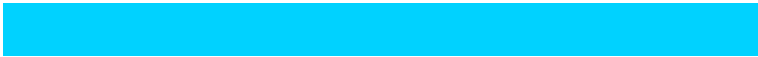
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.4447, 0.4492, 0.4372



56.4447, 0.3343, 0.4816



56.4447, 0.1852, 0.2111



56.4447, 0.2731, 0.2162

# Sweetspot

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



56.4475, 0.4492, 0.4372



85.6808, 0.3481, 0.3640



26.8982, 0.4631, 0.2723



17.9687, 0.3533, 0.3688



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.



56.4475, 0.4492, 0.4372



54.5739, 0.4751, 0.4451



83.2049, 0.3878, 0.4961



19.1126, 0.3278, 0.3444



24.9264, 0.4975, 0.4432



2.5070, 0.4857, 0.4525



# Inverse Universe

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



25.8973, 0.1955, 0.1763



20.4943, 0.1777, 0.1432



14.7492, 0.1920, 0.1134



17.6326, 0.2979, 0.3131



7.5319, 0.1644, 0.1116



0.8878, 0.1709, 0.1352



# Previews

## White Background



This preview shows how the Yxy color 56.4447, 0.4492, 0.4372 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 56.4447, 0.4492, 0.4372 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 56.4447, 0.4492, 0.4372**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.4447, 0.4492, 0.4372.



This preview shows how white text looks on a background with the Yxy color 56.4447, 0.4492, 0.4372.

# 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

56.4447, 0.4492, 0.4372

### Protanopia

56.7835, 0.4163, 0.4577

### Deuteranopia

56.2624, 0.4484, 0.4376



## Tritanopia

56.4220, 0.3706, 0.3156

# Trichromacy



**Original Color**

56.4447, 0.4492, 0.4372

**Protanomaly**

56.5692, 0.4284, 0.4500

**Deuteranomaly**

56.2624, 0.4484, 0.4376

**Tritanomaly**

55.9131, 0.4033, 0.3632

# Monochromacy



**Original Color**

56.4447, 0.4492, 0.4372

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

53.6097, 0.3641, 0.3784

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.4447, 0.4492, 0.4372 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(248, 188, 76)` looks like.

```
.text, #text, p{  
    color:rgb(248, 188, 76)  
}
```

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(248, 188, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 188, 76) }
```

## Border

The CSS property to change the border of an element to Yxy 56.4447, 0.4492, 0.4372 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(248, 188, 76) }
```

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

```
.border{ border-color:rgb(248, 188, 76) }
```

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

Here you see how a box with a 4 pixel rgb(248, 188, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 188, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 188, 76);  
box-shadow:4px 4px 4px 4px rgb(248, 188,  
76) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.4447, 0.4492, 0.4372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 188, 76) }
```

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

```
.background{ background-color: rgb(248,  
188, 76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor