

# Converting Colors

$Yxy(52.8733, 0.4483, 0.4384)$

Have a look what the booklet for  
Yxy(52.8733, 0.4483, 0.4384)  
contains.

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# Color

**Yxy(52.8733, 0.4483, 0.4384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0B749
RGB	240, 183, 73
RGB Percent	94%, 72%, 29%
CMY	0.0589, 0.2823, 0.7136
CMYK	0.00, 0.24, 0.70, 0.06
HSL	40°, 85%, 61%
HSV	40°, 70%, 94%
XYZ	54.0673, 52.8733, 13.6646
YIQ	187.5030, 69.2820, -22.1260

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	160, 240, 73
Decimal	15775561
CIE <sub>Lab</sub>	77.80, 9.98, 61.59
CIE <sub>LCh</sub>	78, 62.395, 80.799
Yxy	52.8733, 0.4483, 0.4384
Android (android.graphics.Color)	4293965641 (0xFFFF0B749)
YUV	187.5030, -56.4500, 46.0399
Hunter-Lab	72.7140, 5.4760, 39.7579

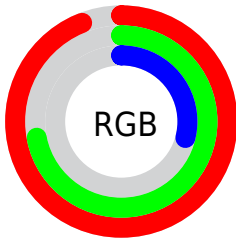
# Details

The Yxy color **52.8733, 0.4483, 0.4384** is a light color, and the websafe version is hex **FFCC66**.

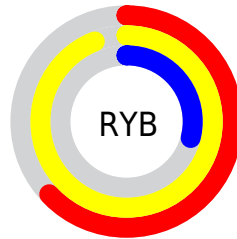
The color can be described as light washed orange. A complement of this color would be **23.6733, 0.1949, 0.1744**, and the grayscale version is **50.2922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5253, 0.3938, 0.4383**, and **25.6905, 0.4764, 0.4557** is the 20% darker color. If you saturate the color by 10%, you get **49.3357, 0.4672, 0.4452**, and if you desaturate by 10%, it is **56.7354, 0.4275, 0.4273**.

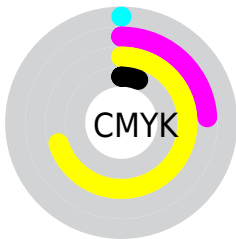
# Distribution



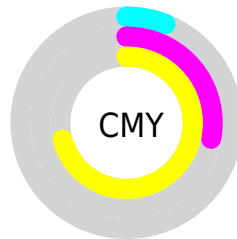
- Red (94%)
- Green (72%)
- Blue (29%)



- Red (63%)
- Yellow (94%)
- Blue (29%)



- Cyan (0%)
- Magenta (24%)
- Yellow (70%)
- Black (6%)




- Cyan (6%)
- Magenta (28%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8733, 0.4483, 0.4384 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 52.8733, 0.4483, 0.4384 by changing the saturation by 10% instead.




 52.8733, 0.4483,  
0.4384

 52.8733, 0.4483,  
0.4384


397.7988, 0.3861,  
0.3912


 37.7016, 0.4611,  
0.4470


 94.4179, 0.4276,  
0.4235

 25.7512, 0.4756,  
0.4561


 121.5596, 0.4192,  
0.4172

 16.6376, 0.4918,  
0.4650


 153.4602, 0.4119,  
0.4116

 9.9765, 0.5127,  
0.4754

 190.5039, 0.4054,  
0.4066

 5.3833, 0.5259,  
0.4741

 233.0753, 0.3997,  
0.4021

 2.4739, 0.5369,  
0.4631

281.5586, 0.3947,

 0.8635, 0.5567,

0.3981

0.4433

336.3383, 0.3901,  
0.3945

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.8733, 0.4483,  
0.4384

52.8733, 0.4483,  
0.4384

49.3357, 0.4672,  
0.4452

56.7354, 0.4275,  
0.4273

46.0964, 0.4834,  
0.4469


60.9301, 0.4060,  
0.4130

43.1307, 0.4964,  
0.4438


65.4742, 0.3847,  
0.3967


43.0071, 0.4969,  
0.4436


70.3807, 0.3643,  
0.3793

 75.6616, 0.3452,  
0.3618

 81.3284, 0.3278,  
0.3447

 87.3916, 0.3121,  
0.3283

 93.1992, 0.3036,  
0.3226

 97.2618, 0.3035,  
0.3290

# Harmonies

## Analogous

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



52.8733, 0.4775, 0.3800



52.8733, 0.4483, 0.4384



52.8733, 0.3846, 0.4791

# Triad

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



52.8733, 0.4483, 0.4384



52.8733, 0.1864, 0.3129



52.8733, 0.3012, 0.2258

# Complementary

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



52.8733, 0.4483, 0.4384



23.6733, 0.1949, 0.1744

# 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.



52.8733, 0.2296, 0.2058



52.8733, 0.4483, 0.4384



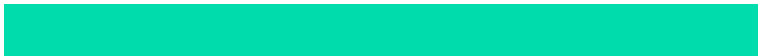
52.8733, 0.1710, 0.2448

# Square

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



52.8733, 0.4483, 0.4384



52.8733, 0.2336, 0.4035



52.8733, 0.1857, 0.2106



52.8733, 0.3871, 0.2661



# Rectangle

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



52.8733, 0.4483, 0.4384



52.8733, 0.3326, 0.4814



52.8733, 0.1857, 0.2106



52.8733, 0.2747, 0.2166

# Sweetspot

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



52.8759, 0.4483, 0.4384



85.9088, 0.3480, 0.3644



24.9427, 0.4633, 0.2723



18.0231, 0.3532, 0.3693



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.



52.8759, 0.4483, 0.4384



55.2130, 0.4736, 0.4464



77.2278, 0.3879, 0.4962



17.4978, 0.3277, 0.3445



23.8038, 0.4953, 0.4449



2.1641, 0.4828, 0.4549



# Inverse Universe

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



23.6733, 0.1949, 0.1744



20.1332, 0.1772, 0.1412



13.6605, 0.1919, 0.1132



16.1104, 0.2980, 0.3130



6.9602, 0.1639, 0.1100



0.7571, 0.1712, 0.1362



# Previews

## White Background



This preview shows how the Yxy color 52.8733, 0.4483, 0.4384 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 52.8733, 0.4483, 0.4384 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 52.8733, 0.4483, 0.4384**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.8733, 0.4483, 0.4384.



This preview shows how white text looks on a background with the Yxy color 52.8733, 0.4483, 0.4384.

# 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

52.8733, 0.4483, 0.4384

### Protanopia

53.1088, 0.4171, 0.4577

### Deuteranopia

52.8733, 0.4483, 0.4384



## Tritanopia

52.9643, 0.3703, 0.3152

# Trichromacy



## Original Color

52.8733, 0.4483, 0.4384

## Protanomaly

52.7505, 0.4286, 0.4503

## Deuteranomaly

52.8733, 0.4483, 0.4384

## Tritanomaly

52.4768, 0.4039, 0.3641

# Monochromacy



## Original Color

52.8733, 0.4483, 0.4384

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.4585, 0.3636, 0.3785

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.8733, 0.4483, 0.4384 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(240, 183, 73)` looks like.

```
.text, #text, p{  
  color:rgb(240, 183, 73)  
}
```

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(240, 183, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 183, 73) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8733, 0.4483, 0.4384 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(240, 183, 73) }
```

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

```
.border{ border-color:rgb(240, 183, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 183, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 183, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 183, 73);  
box-shadow:4px 4px 4px 4px rgb(240, 183,  
73) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8733, 0.4483, 0.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 183, 73) }
```

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

```
.background{ background-color: rgb(240,  
183, 73) }
```

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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