

# Converting Colors

$Y_{xy}(52.2151, 0.4473, 0.4476)$

Have a look what the booklet for  
Yxy(52.2151, 0.4473, 0.4476)  
contains.

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# Color

**Yxy(52.3248, 0.4474, 0.4471)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBB841
RGB	235, 184, 65
RGB Percent	92%, 72%, 25%
CMY	0.0784, 0.2784, 0.7449
CMYK	0.00, 0.22, 0.72, 0.08
HSL	42°, 81%, 59%
HSV	42°, 72%, 92%
XYZ	52.3599, 52.3248, 12.3468
YIQ	185.6830, 68.5950, -26.1970

# Conversions

## Conversions Part 2

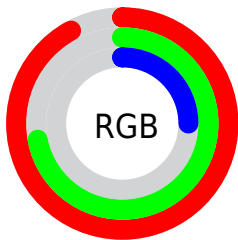
Format	Color
<a href="#">RYB</a>	<a href="#">138, 235, 65</a>
Decimal	<a href="#">15448129</a>
<a href="#">CIELab</a>	<a href="#">77.47, 6.97, 64.36</a>
<a href="#">CIElCh</a>	<a href="#">77, 64.735, 83.817</a>
<a href="#">Yxy</a>	<a href="#">52.3248, 0.4474, 0.4471</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4293638209 (0xFFEBB841)</a>
<a href="#">YUV</a>	<a href="#">185.6830, -59.4967, 43.2510</a>
<a href="#">Hunter-Lab</a>	<a href="#">72.3359, 2.6184, 40.5151</a>

# Details

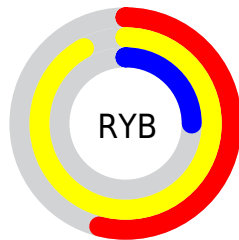
The Yxy color **52.3248, 0.4474, 0.4471** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **19.6278, 0.1886, 0.1580**, and the grayscale version is **49.2308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9362, 0.3970, 0.4449**, and **25.3466, 0.4718, 0.4636** is the 20% darker color. If you saturate the color by 10%, you get **49.2513, 0.4638, 0.4534**, and if you desaturate by 10%, it is **55.6628, 0.4287, 0.4363**.

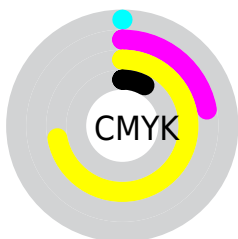
# Distribution



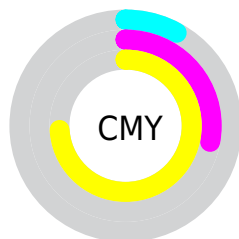
- Red (92%)
- Green (72%)
- Blue (25%)



- Red (54%)
- Yellow (92%)
- Blue (25%)



- Cyan (0%)
- Magenta (22%)
- Yellow (72%)
- Black (8%)




- Cyan (8%)
- Magenta (28%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3248, 0.4474, 0.4471 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 52.3248, 0.4474, 0.4471 by changing the saturation by 10% instead.





 52.3248, 0.4474,  
0.4471

 52.3248, 0.4474,  
0.4471


395.6892, 0.3863,  
0.3959

 37.2640, 0.4596,  
0.4565


 93.6101, 0.4273,  
0.4309


 25.4120, 0.4732,  
0.4664


 120.6034, 0.4191,  
0.4241

 16.3843, 0.4878,  
0.4759

 152.3430, 0.4119,  
0.4180

 9.7965, 0.5092,  
0.4899

 189.2133, 0.4055,  
0.4126

 5.2642, 0.5147,  
0.4853

 231.5986, 0.3999,  
0.4077

 2.4031, 0.5227,  
0.4773

279.8835, 0.3949,

 0.8275, 0.5376,

0.4033

0.4624

334.4522, 0.3904,  
0.3994

■ 0.0000, 0.0000,  
0.0000

■ 52.3248, 0.4474,  
0.4471

■ 52.3248, 0.4474,  
0.4471

■ 49.2513, 0.4638,  
0.4534

■ 55.6628, 0.4287,  
0.4363

■ 46.4174, 0.4772,  
0.4546

■ 59.2722, 0.4088,  
0.4220


■ 44.3869, 0.4856,  
0.4526


■ 63.1684, 0.3885,  
0.4053


■ 67.3631, 0.3687,  
0.3873

■ 71.8670, 0.3498,  
0.3688

 76.6903, 0.3323,  
0.3505

 81.8423, 0.3162,  
0.3330

 87.3318, 0.3017,  
0.3164

 91.7006, 0.3006,  
0.3215

# Harmonies

## Analogous

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



52.3248, 0.4828, 0.3871



52.3248, 0.4474, 0.4471



52.3248, 0.3786, 0.4871

# Triad

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



52.3248, 0.4474, 0.4471



52.3248, 0.1788, 0.3031



52.3248, 0.3092, 0.2256

# Complementary

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



52.3248, 0.4474, 0.4471



19.6278, 0.1886, 0.1580

# 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.



52.3248, 0.2327, 0.2028



52.3248, 0.4474, 0.4471



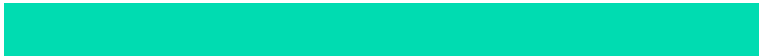
52.3248, 0.1665, 0.2362

# Square

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



52.3248, 0.4474, 0.4471



52.3248, 0.2240, 0.3972



52.3248, 0.1846, 0.2047



52.3248, 0.3987, 0.2689



# Rectangle

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



52.3248, 0.4474, 0.4471



52.3248, 0.3243, 0.4861



52.3248, 0.1846, 0.2047



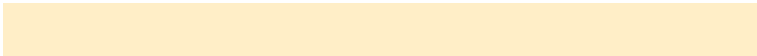
52.3248, 0.2810, 0.2155

# Sweetspot

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



52.3274, 0.4474, 0.4471



86.6227, 0.3494, 0.3684



22.7785, 0.4815, 0.2778



18.2162, 0.3544, 0.3734



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.



52.3274, 0.4474, 0.4471



57.5150, 0.4710, 0.4546



72.6229, 0.3849, 0.5035



16.8193, 0.3275, 0.3454



24.9340, 0.4843, 0.4536



2.1250, 0.4731, 0.4625



# Inverse Universe

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



19.6278, 0.1886, 0.1580



16.6093, 0.1702, 0.1218



12.2822, 0.1909, 0.1079



15.2859, 0.2980, 0.3120



6.0082, 0.1611, 0.1000



0.6349, 0.1687, 0.1272



# Previews

## White Background



This preview shows how the Yxy color 52.3248, 0.4474, 0.4471 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 52.3248, 0.4474, 0.4471 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 52.3248, 0.4474, 0.4471**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.3248, 0.4474, 0.4471.



This preview shows how white text looks on a background with the Yxy color 52.3248, 0.4474, 0.4471.

# 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

52.3248, 0.4474, 0.4471

### Protanopia

52.4007, 0.4215, 0.4641

### Deuteranopia

52.3745, 0.4529, 0.4421



## Tritanopia

52.0625, 0.3658, 0.3150

# Trichromacy



**Original Color**

52.3248, 0.4474, 0.4471

**Protanomaly**

52.3181, 0.4315, 0.4578

**Deuteranomaly**

52.4375, 0.4503, 0.4441

**Tritanomaly**

51.4990, 0.4021, 0.3680

# Monochromacy



**Original Color**

52.3248, 0.4474, 0.4471

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

49.4883, 0.3646, 0.3828

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.3248, 0.4474, 0.4471 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(235, 184, 65)` looks like.

```
.text, #text, p{  
    color:rgb(235, 184, 65)  
}
```

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(235, 184, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 184, 65) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3248, 0.4474, 0.4471 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(235, 184, 65) }
```

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

```
.border{ border-color:rgb(235, 184, 65) }
```

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

Here you see how a box with a 4 pixel rgb(235, 184, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 184, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 184, 65);  
box-shadow:4px 4px 4px 4px rgb(235, 184,  
65) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3248, 0.4474, 0.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 184, 65) }
```

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

```
.background{ background-color: rgb(235,  
184, 65) }
```

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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