

# Converting Colors

Yxy(54.4112, 0.4421, 0.4475)

Have a look what the booklet for  
Yxy(54.4112, 0.4421, 0.4475)  
contains.

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# Color

**Yxy(54.2415, 0.4423, 0.4470)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECBC46
RGB	236, 188, 70
RGB Percent	93%, 74%, 27%
CMY	0.0747, 0.2627, 0.7255
CMYK	0.00, 0.20, 0.70, 0.07
HSL	43°, 81%, 60%
HSV	43°, 70%, 93%
XYZ	53.6712, 54.2415, 13.4330
YIQ	188.9000, 66.4860, -26.5220

# Conversions

## Conversions Part 2

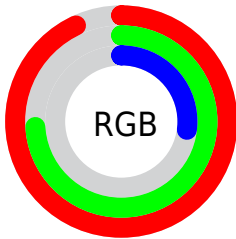
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 236, 70
Decimal	15514694
CIELab	78.60, 5.50, 63.54
CIELCh	79, 63.782, 85.049
Yxy	54.2415, 0.4423, 0.4470
Android (android.graphics.Color)	4293704774 (0xFFECBC46)
YUV	188.9000, -58.6177, 41.3067
Hunter-Lab	73.6488, 1.1954, 40.7402

# Details

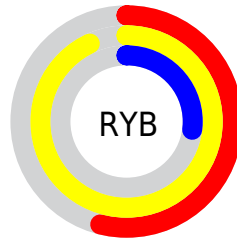
The Yxy color **54.2415, 0.4423, 0.4470** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **20.2960, 0.1909, 0.1606**, and the grayscale version is **51.1413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4166, 0.3930, 0.4448**, and **26.5602, 0.4671, 0.4669** is the 20% darker color. If you saturate the color by 10%, you get **51.1584, 0.4587, 0.4544**, and if you desaturate by 10%, it is **57.5845, 0.4237, 0.4353**.

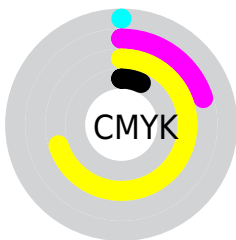
# Distribution



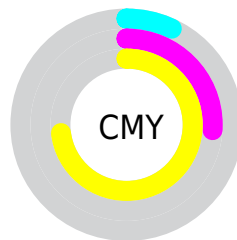
- Red (93%)
- Green (74%)
- Blue (27%)



- Red (54%)
- Yellow (93%)
- Blue (27%)



- Cyan (0%)
- Magenta (20%)
- Yellow (70%)
- Black (7%)




- Cyan (7%)
- Magenta (26%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.2415, 0.4423, 0.4470 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 54.2415, 0.4423, 0.4470 by changing the saturation by 10% instead.





 54.2415, 0.4423,  
0.4470


 54.2415, 0.4423,  
0.4470


403.0303, 0.3838,  
0.3955

 38.7948, 0.4540,  
0.4566


 96.4287, 0.4231,  
0.4306


 26.6001, 0.4671,  
0.4670


 123.9380, 0.4152,  
0.4237


 17.2731, 0.4813,  
0.4775

 156.2370, 0.4083,  
0.4176

 10.4294, 0.4996,  
0.4905

 193.7100, 0.4022,  
0.4121

 5.6846, 0.5085,  
0.4915

 236.7414, 0.3968,  
0.4073

 2.6543, 0.5145,  
0.4855

285.7157, 0.3920,

 0.9540, 0.5252,

0.4029

0.4748

341.0172, 0.3876,  
0.3990

0.0000, 0.0000,  
0.0000

54.2415, 0.4423,  
0.4470

54.2415, 0.4423,  
0.4470

51.1584, 0.4587,  
0.4544

57.5845, 0.4237,  
0.4353

48.3106, 0.4723,  
0.4569

61.1934, 0.4040,  
0.4202

45.7599, 0.4827,  
0.4550

65.0834, 0.3841,  
0.4029

69.2660, 0.3646,  
0.3845

73.7515, 0.3461,  
0.3657

■ 78.5498, 0.3289,  
0.3473

■ 83.6701, 0.3132,  
0.3296

■ 88.8765, 0.3012,  
0.3166

■ 93.0219, 0.3011,  
0.3234

# Harmonies

## Analogous

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



54.2415, 0.4782, 0.3889



54.2415, 0.4423, 0.4470



54.2415, 0.3744, 0.4838

# Triad

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



54.2415, 0.4423, 0.4470



54.2415, 0.1807, 0.3007



54.2415, 0.3129, 0.2293

# Complementary

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



54.2415, 0.4423, 0.4470



20.2960, 0.1909, 0.1606

# 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.



54.2415, 0.2372, 0.2059



54.2415, 0.4423, 0.4470



54.2415, 0.1698, 0.2367

# Square

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



54.2415, 0.4423, 0.4470



54.2415, 0.2239, 0.3915



54.2415, 0.1888, 0.2069



54.2415, 0.3999, 0.2724



# Rectangle

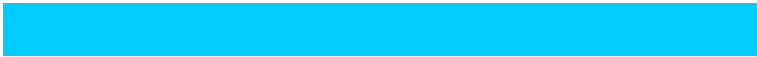
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.2415, 0.4423, 0.4470



54.2415, 0.3212, 0.4805



54.2415, 0.1888, 0.2069



54.2415, 0.2852, 0.2190

# Sweetspot

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



54.2441, 0.4423, 0.4470



87.5435, 0.3475, 0.3671



23.5562, 0.4789, 0.2810



18.4142, 0.3525, 0.3723



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.



54.2441, 0.4423, 0.4470



59.6160, 0.4646, 0.4560



73.0748, 0.3820, 0.5016



16.8492, 0.3275, 0.3457



25.4658, 0.4814, 0.4560



2.1634, 0.4708, 0.4644



# Inverse Universe

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



20.2960, 0.1909, 0.1606



17.3224, 0.1725, 0.1257



13.3275, 0.1961, 0.1140



15.2577, 0.2980, 0.3118



5.8207, 0.1604, 0.0974



0.6171, 0.1679, 0.1244



# Previews

## White Background



This preview shows how the Yxy color 54.2415, 0.4423, 0.4470 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 54.2415, 0.4423, 0.4470 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 54.2415, 0.4423, 0.4470**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.2415, 0.4423, 0.4470.



This preview shows how white text looks on a background with the Yxy color 54.2415, 0.4423, 0.4470.

# 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

54.2415, 0.4423, 0.4470

### Protanopia

54.2498, 0.4194, 0.4615

### Deuteranopia

54.2075, 0.4502, 0.4401



## Tritanopia

54.1809, 0.3621, 0.3140

# Trichromacy



## Original Color

54.2415, 0.4423, 0.4470

## Protanomaly

54.0015, 0.4283, 0.4559

## Deuteranomaly

54.0980, 0.4469, 0.4425

## Tritanomaly

53.5951, 0.3976, 0.3666

# Monochromacy



## Original Color

54.2415, 0.4423, 0.4470

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.5923, 0.3617, 0.3821

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.2415, 0.4423, 0.4470 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(236, 188, 70)` looks like.

```
.text, #text, p{  
    color:rgb(236, 188, 70)  
}
```

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(236, 188, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 188, 70) }
```

## Border

The CSS property to change the border of an element to Yxy 54.2415, 0.4423, 0.4470 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(236, 188, 70) }
```

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

```
.border{ border-color:rgb(236, 188, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 188, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 188, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 188, 70);  
box-shadow:4px 4px 4px 4px rgb(236, 188,  
70) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.2415, 0.4423, 0.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 188, 70) }
```

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

```
.background{ background-color: rgb(236,  
188, 70) }
```

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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