

# Converting Colors

Yxy(55.0113, 0.4414, 0.4678)

Have a look what the booklet for  
Yxy(55.0113, 0.4414, 0.4678)  
contains.

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# **Color**

**Yxy(55.0113, 0.4414, 0.4678)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5C130
RGB	229, 193, 48
RGB Percent	90%, 76%, 19%
CMY	0.1021, 0.2431, 0.8118
CMYK	0.00, 0.16, 0.79, 0.10
HSL	48°, 78%, 54%
HSV	48°, 79%, 90%
XYZ	51.9068, 55.0113, 10.6777
YIQ	187.2340, 68.0010, -37.4630

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	93, 229, 48
Decimal	15057200
CIE Lab	79.05, -0.99, 71.65
CIE LCh	79, 71.653, 90.795
Yxy	55.0113, 0.4414, 0.4678
Android (android.graphics.Color)	4293247280 (0xFFE5C130)
YUV	187.2340, -68.6424, 36.6288
Hunter-Lab	74.1696, -4.8756, 43.3831

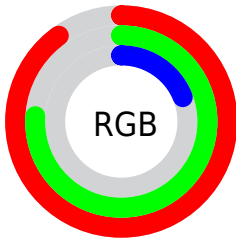
# Details

The Yxy color **55.0113, 0.4414, 0.4678** is a light color, and the websafe version is hex **FFCC33**.

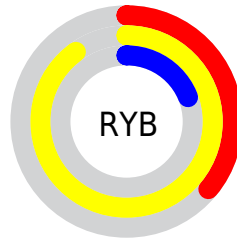
The color can be described as light washed yellow. A complement of this color would be **12.6134, 0.1736, 0.1182**, and the grayscale version is **50.1989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0520, 0.3992, 0.4625**, and **27.1912, 0.4530, 0.4785** is the 20% darker color. If you saturate the color by 10%, you get **52.8913, 0.4518, 0.4726**, and if you desaturate by 10%, it is **57.2958, 0.4282, 0.4583**.

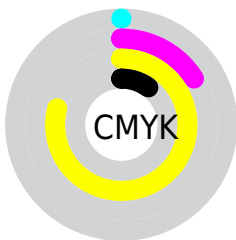
# Distribution



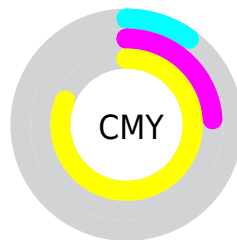
- Red (90%)
- Green (76%)
- Blue (19%)



- Red (36%)
- Yellow (90%)
- Blue (19%)



- Cyan (0%)
- Magenta (16%)
- Yellow (79%)
- Black (10%)




- Cyan (10%)
- Magenta (24%)
- Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0113, 0.4414, 0.4678 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 55.0113, 0.4414, 0.4678 by changing the saturation by 10% instead.




 55.0113, 0.4414,  
0.4678


 55.0113, 0.4414,  
0.4678


405.9548, 0.3858,  
0.4074

 39.4108, 0.4514,  
0.4788

 97.5575, 0.4239,  
0.4487


 27.0794, 0.4620,  
0.4906


 125.2720, 0.4165,  
0.4407


 17.6329, 0.4722,  
0.5021

 157.7932, 0.4099,  
0.4335

 10.6867, 0.4842,  
0.5158

 195.5056, 0.4040,  
0.4271

 5.8566, 0.4835,  
0.5165

 238.7936, 0.3987,  
0.4214

 2.7581, 0.4824,  
0.5176

 288.0415, 0.3939,

 1.0068, 0.4804,

0.4162

0.5196

343.6338, 0.3897,  
0.4116

0.0000, 0.0000,  
0.0000

55.0113, 0.4414,  
0.4678

55.0113, 0.4414,  
0.4678

52.8913, 0.4518,  
0.4726

57.2958, 0.4282,  
0.4583

50.9070, 0.4593,  
0.4730


59.7507, 0.4128,  
0.4447

50.7206, 0.4600,  
0.4729


62.3902, 0.3958,  
0.4278

65.2247, 0.3781,  
0.4086

68.2635, 0.3603,  
0.3882

 71.5151, 0.3430,  
0.3674

 74.9876, 0.3266,  
0.3469

 78.6882, 0.3113,  
0.3271

 82.6241, 0.2973,  
0.3085

# Harmonies

## Analogous

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



55.0113, 0.4915, 0.4044



55.0113, 0.4414, 0.4678



55.0113, 0.3618, 0.5044

# Triad

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



55.0113, 0.4414, 0.4678



55.0113, 0.1629, 0.2794



55.0113, 0.3308, 0.2272

# Complementary

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



55.0113, 0.4414, 0.4678



12.6134, 0.1736, 0.1182

# 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.



55.0113, 0.2428, 0.1975



55.0113, 0.4414, 0.4678



55.0113, 0.1581, 0.2174

# Square

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



55.0113, 0.4414, 0.4678



55.0113, 0.2020, 0.3784



55.0113, 0.1845, 0.1927



55.0113, 0.4269, 0.2770



# Rectangle

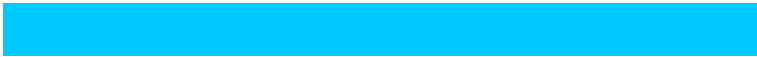
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.0113, 0.4414, 0.4678



55.0113, 0.3030, 0.4934



55.0113, 0.1845, 0.1927



55.0113, 0.2989, 0.2148

# Sweetspot

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



55.0140, 0.4414, 0.4678



89.1553, 0.3517, 0.3780



19.4078, 0.5404, 0.3000



18.7684, 0.3580, 0.3854



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.



55.0140, 0.4414, 0.4678



65.8616, 0.4569, 0.4732



65.3049, 0.3709, 0.5249



16.3053, 0.3272, 0.3477



29.1847, 0.4593, 0.4735



2.2808, 0.4523, 0.4790



# Inverse Universe

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



12.6134, 0.1736, 0.1182



10.6261, 0.1576, 0.0843



10.6099, 0.1947, 0.0997



14.3483, 0.2980, 0.3096



4.4631, 0.1555, 0.0798



0.4589, 0.1627, 0.1055



# Previews

## White Background



This preview shows how the Yxy color 55.0113, 0.4414, 0.4678 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 55.0113, 0.4414, 0.4678 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 55.0113, 0.4414, 0.4678**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.0113, 0.4414, 0.4678.



This preview shows how white text looks on a background with the Yxy color 55.0113, 0.4414, 0.4678.

# 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

55.0113, 0.4414, 0.4678

### Protanopia

54.9173, 0.4309, 0.4750

### Deuteranopia

54.9497, 0.4608, 0.4508



## Tritanopia

54.8883, 0.3525, 0.3138

# Trichromacy



**Original Color**

55.0113, 0.4414, 0.4678

**Protanomaly**

54.9399, 0.4343, 0.4724

**Deuteranomaly**

55.1507, 0.4535, 0.4572

**Tritanomaly**

54.2832, 0.3934, 0.3785

# Monochromacy



**Original Color**

55.0113, 0.4414, 0.4678

**Achromatopsia**

49.6933, 0.3127, 0.3290

**Achromatomaly**

50.7293, 0.3662, 0.3953

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.0113, 0.4414, 0.4678 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(229, 193, 48)` looks like.

```
.text, #text, p{  
    color:rgb(229, 193, 48)  
}
```

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(229, 193, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 193, 48) }
```

## Border

The CSS property to change the border of an element to Yxy 55.0113, 0.4414, 0.4678 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(229, 193, 48) }
```

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

```
.border{ border-color:rgb(229, 193, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 193, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 193, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 193, 48);  
box-shadow:4px 4px 4px 4px rgb(229, 193,  
48) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.0113, 0.4414, 0.4678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 193, 48) }
```

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

```
.background{ background-color: rgb(229,  
193, 48) }
```

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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