

# Converting Colors

$Y_{xy}(53.2763, 0.4336, 0.4441)$

Have a look what the booklet for  
Yxy(53.2763, 0.4336, 0.4441)  
contains.

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# Color

**Yxy(53.3395, 0.4329, 0.4441)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6BC4E
RGB	230, 188, 78
RGB Percent	90%, 74%, 31%
CMY	0.0980, 0.2627, 0.6939
CMYK	0.00, 0.18, 0.66, 0.10
HSL	43°, 75%, 60%
HSV	43°, 66%, 90%
XYZ	51.9943, 53.3395, 14.7732
YIQ	188.0180, 60.3420, -25.3060

# Conversions

## Conversions Part 2

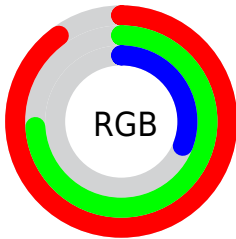
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 230, 78
Decimal	15121486
CIELab	78.08, 3.43, 59.43
CIELCh	78, 59.527, 86.699
Yxy	53.3395, 0.4329, 0.4441
Android (android.graphics.Color)	4293311566 (0xFFE6BC4E)
YUV	188.0180, -54.2389, 36.8182
Hunter-Lab	73.0339, -0.7316, 39.1307

# Details

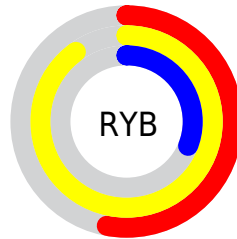
The Yxy color **53.3395, 0.4329, 0.4441** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **20.7830, 0.1971, 0.1696**, and the grayscale version is **50.5933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6273, 0.3887, 0.4381**, and **26.0364, 0.4572, 0.4653** is the 20% darker color. If you saturate the color by 10%, you get **50.4106, 0.4498, 0.4537**, and if you desaturate by 10%, it is **56.5086, 0.4142, 0.4306**.

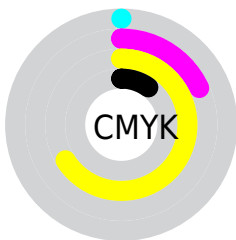
# Distribution



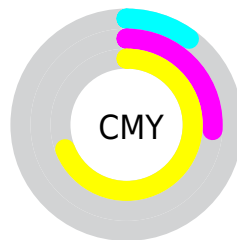
- Red (90%)
- Green (74%)
- Blue (31%)



- Red (53%)
- Yellow (90%)
- Blue (31%)



- Cyan (0%)
- Magenta (18%)
- Yellow (66%)
- Black (10%)




- Cyan (10%)
- Magenta (26%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3395, 0.4329, 0.4441 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 53.3395, 0.4329, 0.4441 by changing the saturation by 10% instead.





 53.3395, 0.4329,  
0.4441

 53.3395, 0.4329,  
0.4441


399.5863, 0.3780,  
0.3926

 38.0739, 0.4441,  
0.4543


 95.1038, 0.4146,  
0.4273

 26.0400, 0.4569,  
0.4656


 122.3712, 0.4073,  
0.4203


 16.8536, 0.4711,  
0.4776


 154.4079, 0.4008,  
0.4143

 10.1302, 0.4877,  
0.4912

 191.5985, 0.3951,  
0.4089

 5.4853, 0.5007,  
0.4993

 234.3272, 0.3901,  
0.4041

 2.5347, 0.5046,  
0.4954

282.9785, 0.3856,

 0.8940, 0.5117,

0.3998

0.4883

337.9367, 0.3816,  
0.3960

■ 0.0000, 0.0000,  
0.0000

■ 53.3395, 0.4329,  
0.4441

■ 53.3395, 0.4329,  
0.4441

■ 50.4106, 0.4498,  
0.4537

■ 56.5086, 0.4142,  
0.4306

■ 47.6999, 0.4642,  
0.4586

■ 59.9225, 0.3947,  
0.4142

■ 45.1929, 0.4754,  
0.4585

■ 63.5948, 0.3752,  
0.3961

■ 44.2510, 0.4793,  
0.4576

■ 67.5355, 0.3563,  
0.3772

■ 71.7540, 0.3385,  
0.3582

■ 76.2591, 0.3220,  
0.3398

■ 81.0590, 0.3070,  
0.3222

■ 85.6983, 0.2974,  
0.3127

■ 89.4842, 0.2975,  
0.3192

# Harmonies

## Analogous

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



53.3395, 0.4681, 0.3903



53.3395, 0.4329, 0.4441



53.3395, 0.3679, 0.4750

# Triad

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



53.3395, 0.4329, 0.4441



53.3395, 0.1864, 0.2990



53.3395, 0.3177, 0.2362

# Complementary

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



53.3395, 0.4329, 0.4441



20.7830, 0.1971, 0.1696

# 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.



53.3395, 0.2449, 0.2127



53.3395, 0.4329, 0.4441



53.3395, 0.1772, 0.2399

# Square

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



53.3395, 0.4329, 0.4441



53.3395, 0.2262, 0.3828



53.3395, 0.1970, 0.2126



53.3395, 0.3988, 0.2784



# Rectangle

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



53.3395, 0.4329, 0.4441



53.3395, 0.3174, 0.4687



53.3395, 0.1970, 0.2126



53.3395, 0.2913, 0.2260

# Sweetspot

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



53.3421, 0.4329, 0.4441



88.4723, 0.3455, 0.3658



23.6639, 0.4670, 0.2847



18.6152, 0.3506, 0.3712



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.



53.3421, 0.4329, 0.4441



62.5135, 0.4550, 0.4559



69.0286, 0.3779, 0.4948



16.1081, 0.3274, 0.3459



25.2663, 0.4781, 0.4585



2.0209, 0.4676, 0.4669



# Inverse Universe

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



20.7830, 0.1971, 0.1696



18.9796, 0.1776, 0.1346



14.5486, 0.2057, 0.1270



14.5324, 0.2981, 0.3115



5.4598, 0.1597, 0.0948



0.5557, 0.1676, 0.1232



# Previews

## White Background



This preview shows how the Yxy color 53.3395, 0.4329, 0.4441 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 53.3395, 0.4329, 0.4441 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 53.3395, 0.4329, 0.4441**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3395, 0.4329, 0.4441.



This preview shows how white text looks on a background with the Yxy color 53.3395, 0.4329, 0.4441.

# 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

53.3395, 0.4329, 0.4441

### Protanopia

53.6098, 0.4142, 0.4553

### Deuteranopia

53.3708, 0.4441, 0.4350



## Tritanopia

53.1191, 0.3568, 0.3137

# Trichromacy



**Original Color**

53.3395, 0.4329, 0.4441

**Protanomaly**

53.4794, 0.4206, 0.4519

**Deuteranomaly**

53.0953, 0.4399, 0.4378

**Tritanomaly**

52.6453, 0.3896, 0.3641

# Monochromacy



**Original Color**

53.3395, 0.4329, 0.4441

**Achromatopsia**

50.2886, 0.3127, 0.3290

**Achromatomaly**

50.8011, 0.3577, 0.3790

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3395, 0.4329, 0.4441 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(230, 188, 78)` looks like.

```
.text, #text, p{  
    color:rgb(230, 188, 78)  
}
```

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(230, 188, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 188, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3395, 0.4329, 0.4441 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(230, 188, 78) }
```

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

```
.border{ border-color:rgb(230, 188, 78) }
```

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

Here you see how a box with a 4 pixel rgb(230, 188, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 188, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 188, 78);  
box-shadow:4px 4px 4px 4px rgb(230, 188,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3395, 0.4329, 0.4441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 188, 78) }
```

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

```
.background{ background-color: rgb(230,  
188, 78) }
```

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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