

# Converting Colors

Yxy(53.7365, 0.4217, 0.4370)

Have a look what the booklet for  
Yxy(53.7365, 0.4217, 0.4370)  
contains.

<b>Yxy(53.8960, 0.4217, 0.4376)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(53.8960, 0.4217, 0.4376)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3BE5A
RGB	227, 190, 90
RGB Percent	89%, 75%, 35%
CMY	0.1098, 0.2549, 0.6472
CMYK	0.00, 0.16, 0.60, 0.11
HSL	44°, 71%, 62%
HSV	44°, 60%, 89%
XYZ	51.9377, 53.8960, 17.3290
YIQ	189.6630, 54.1520, -23.2560

# Conversions

## Conversions Part 2

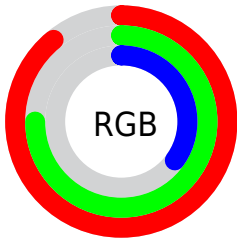
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 227, 90
Decimal	14925402
CIELab	78.40, 1.87, 54.38
CIELCh	78, 54.408, 88.026
Yxy	53.8960, 0.4217, 0.4376
Android (android.graphics.Color)	4293115482 (0xFFE3BE5A)
YUV	189.6630, -49.1339, 32.7445
Hunter-Lab	73.4139, -2.1919, 37.3946

# Details

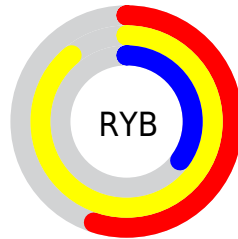
The Yxy color **53.8960, 0.4217, 0.4376** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **22.8871, 0.2065, 0.1841**, and the grayscale version is **51.5527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1547, 0.3818, 0.4300**, and **26.3497, 0.4440, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **50.9698, 0.4395, 0.4497**, and if you desaturate by 10%, it is **57.0570, 0.4026, 0.4222**.

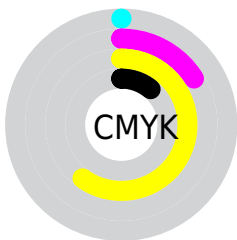
# Distribution



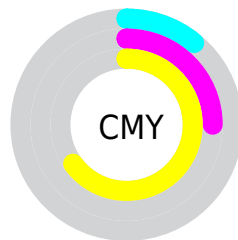
- Red (89%)
- Green (75%)
- Blue (35%)



- Red (55%)
- Yellow (89%)
- Blue (35%)



- Cyan (0%)
- Magenta (16%)
- Yellow (60%)
- Black (11%)




- Cyan (11%)
- Magenta (25%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8960, 0.4217, 0.4376 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 53.8960, 0.4217, 0.4376 by changing the saturation by 10% instead.




 53.8960, 0.4217,  
0.4376

 53.8960, 0.4217,  
0.4376


401.7133, 0.3714,  
0.3880


 38.5185, 0.4323,  
0.4479


 95.9215, 0.4048,  
0.4210

 26.3854, 0.4446,  
0.4597


 123.3384, 0.3980,  
0.4144

 17.1122, 0.4587,  
0.4729


 155.5371, 0.3921,  
0.4085

 10.3145, 0.4740,  
0.4869

 192.9022, 0.3869,  
0.4034

 5.6080, 0.4946,  
0.5054

235.8179, 0.3823,  
0.3989

 2.6082, 0.4967,  
0.5033

284.6688, 0.3783,

 0.9308, 0.5005,

0.3948

0.4995

339.8391, 0.3746,  
0.3912

0.0000, 0.0000,  
0.0000

53.8960, 0.4217,  
0.4376

53.8960, 0.4217,  
0.4376

50.9698, 0.4395,  
0.4497

57.0570, 0.4026,  
0.4222

48.2582, 0.4551,  
0.4574

60.4561, 0.3832,  
0.4046

45.7492, 0.4679,  
0.4603

64.1060, 0.3641,  
0.3858

43.5013, 0.4776,  
0.4590

68.0158, 0.3459,  
0.3666

72.1943, 0.3289,  
0.3478

■ 76.6495, 0.3133,  
0.3297

■ 81.3891, 0.2991,  
0.3126

■ 85.3069, 0.2955,  
0.3128

■ 88.9575, 0.2956,  
0.3190

# Harmonies

## Analogous

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



53.8960, 0.4545, 0.3895



53.8960, 0.4217, 0.4376



53.8960, 0.3616, 0.4622

# Triad

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



53.8960, 0.4217, 0.4376



53.8960, 0.1953, 0.2995



53.8960, 0.3210, 0.2447

# Complementary

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



53.8960, 0.4217, 0.4376



22.8871, 0.2065, 0.1841

# 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.



53.8960, 0.2532, 0.2219



53.8960, 0.4217, 0.4376



53.8960, 0.1876, 0.2460

# Square

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



53.8960, 0.4217, 0.4376



53.8960, 0.2315, 0.3746



53.8960, 0.2073, 0.2211



53.8960, 0.3943, 0.2848



# Rectangle

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



53.8960, 0.4217, 0.4376



53.8960, 0.3150, 0.4537



53.8960, 0.2073, 0.2211



53.8960, 0.2967, 0.2349

# Sweetspot

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



53.8986, 0.4217, 0.4376



89.7348, 0.3420, 0.3623



25.2171, 0.4464, 0.2866



18.8753, 0.3471, 0.3679



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.



53.8986, 0.4217, 0.4376



65.5883, 0.4430, 0.4517



67.5920, 0.3745, 0.4829



16.1244, 0.3274, 0.3461



25.5710, 0.4765, 0.4598



2.0413, 0.4663, 0.4680



# Inverse Universe

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



22.8871, 0.2065, 0.1841



22.2424, 0.1869, 0.1511



16.8205, 0.2162, 0.1442



14.5171, 0.2981, 0.3113



5.3643, 0.1593, 0.0934



0.5469, 0.1671, 0.1216



# Previews

## White Background



This preview shows how the Yxy color 53.8960, 0.4217, 0.4376 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 53.8960, 0.4217, 0.4376 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 53.8960, 0.4217, 0.4376**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8960, 0.4217, 0.4376.



This preview shows how white text looks on a background with the Yxy color 53.8960, 0.4217, 0.4376.

# 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

53.8960, 0.4217, 0.4376

### Protanopia

53.7860, 0.4077, 0.4457

### Deuteranopia

53.9785, 0.4359, 0.4265



## Tritanopia

53.9233, 0.3509, 0.3136

# Trichromacy



**Original Color**

53.8960, 0.4217, 0.4376

**Protanomaly**

53.9553, 0.4119, 0.4430

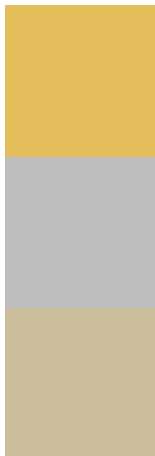
**Deuteranomaly**

53.9581, 0.4302, 0.4305

**Tritanomaly**

53.5909, 0.3796, 0.3598

# Monochromacy



**Original Color**

53.8960, 0.4217, 0.4376

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

51.8565, 0.3523, 0.3738

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.8960, 0.4217, 0.4376 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(227, 190, 90)` looks like.

```
.text, #text, p{  
  color:rgb(227, 190, 90)  
}
```

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(227, 190, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 190, 90) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8960, 0.4217, 0.4376 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(227, 190, 90) }
```

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

```
.border{ border-color:rgb(227, 190, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 190, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 190, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 190, 90);  
box-shadow:4px 4px 4px 4px rgb(227, 190,  
90) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8960, 0.4217, 0.4376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 190, 90) }
```

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

```
.background{ background-color: rgb(227,  
190, 90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor