

# Converting Colors

$Yxy(53.2120, 0.4381, 0.4453)$

Have a look what the booklet for  
Yxy(53.2120, 0.4381, 0.4453)  
contains.

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# Color

**Yxy(53.1909, 0.4377, 0.4452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8BB4A
RGB	232, 187, 74
RGB Percent	91%, 73%, 29%
CMY	0.0900, 0.2667, 0.7098
CMYK	0.00, 0.19, 0.68, 0.09
HSL	43°, 77%, 60%
HSV	43°, 68%, 91%
XYZ	52.2948, 53.1909, 13.9907
YIQ	187.5730, 63.0930, -25.6030

# Conversions

## Conversions Part 2

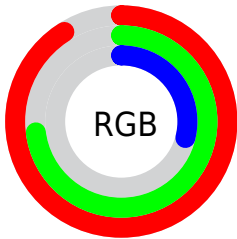
Format	Color
<a href="#">RYB</a>	<a href="#">137, 232, 74</a>
Decimal	<a href="#">15252298</a>
CIELab	<a href="#">77.99, 4.59, 61.12</a>
CIELCh	<a href="#">78, 61.297, 85.704</a>
Yxy	<a href="#">53.1909, 0.4377, 0.4452</a>
Android (android.graphics.Color)	<a href="#">4293442378</a> ( <a href="#">0xFFE8BB4A</a> )
YUV	<a href="#">187.5730, -55.9915, 38.9625</a>
Hunter-Lab	<a href="#">72.9321, 0.3595, 39.6788</a>

# Details

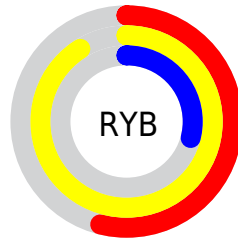
The Yxy color **53.1909, 0.4377, 0.4452** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted orange. A complement of this color would be **20.4927, 0.1942, 0.1659**, and the grayscale version is **50.3349, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9197, 0.3913, 0.4407**, and **25.9610, 0.4629, 0.4654** is the 20% darker color. If you saturate the color by 10%, you get **50.1941, 0.4545, 0.4537**, and if you desaturate by 10%, it is **56.4374, 0.4190, 0.4326**.

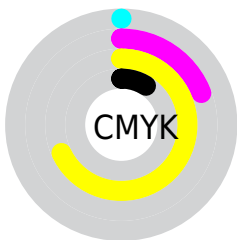
# Distribution



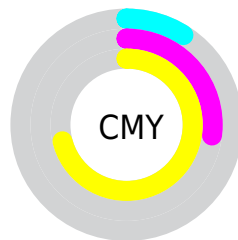
- Red (91%)
- Green (73%)
- Blue (29%)



- Red (54%)
- Yellow (91%)
- Blue (29%)



- Cyan (0%)
- Magenta (19%)
- Yellow (68%)
- Black (9%)




- Cyan (9%)
- Magenta (27%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1909, 0.4377, 0.4452 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 53.1909, 0.4377, 0.4452 by changing the saturation by 10% instead.





 53.1909, 0.4377,  
0.4452


 53.1909, 0.4377,  
0.4452

399.0171, 0.3807,  
0.3937


 37.9552, 0.4492,  
0.4551


 94.8852, 0.4188,  
0.4285


 25.9479, 0.4623,  
0.4660


 122.1126, 0.4112,  
0.4217

 16.7847, 0.4767,  
0.4773


 154.1060, 0.4045,  
0.4156

 10.0811, 0.4945,  
0.4906

 191.2498, 0.3986,  
0.4102

 5.4528, 0.5052,  
0.4948

 233.9285, 0.3933,  
0.4054

 2.5153, 0.5104,  
0.4896

282.5263, 0.3887,

 0.8843, 0.5199,

0.4011

0.4801

337.4277, 0.3845,  
0.3972

■ 0.0000, 0.0000,  
0.0000

■ 53.1909, 0.4377,  
0.4452

■ 53.1909, 0.4377,  
0.4452

■ 50.1941, 0.4545,  
0.4537

■ 56.4374, 0.4190,  
0.4326

■ 47.4241, 0.4686,  
0.4574

■ 59.9390, 0.3993,  
0.4168

■ 44.8631, 0.4796,  
0.4563


■ 63.7099, 0.3795,  
0.3991


■ 44.3955, 0.4816,  
0.4558


■ 67.7607, 0.3603,  
0.3805

■ 72.1013, 0.3421,  
0.3617

 76.7408, 0.3253,  
0.3433

 81.6880, 0.3099,  
0.3258

 86.6483, 0.2987,  
0.3138

 90.6122, 0.2987,  
0.3205

# Harmonies

## Analogous

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



53.1909, 0.4730, 0.3893



53.1909, 0.4377, 0.4452



53.1909, 0.3715, 0.4791

# Triad

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



53.1909, 0.4377, 0.4452



53.1909, 0.1839, 0.3003



53.1909, 0.3149, 0.2327

# Complementary

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



53.1909, 0.4377, 0.4452



20.4927, 0.1942, 0.1659

# 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.



53.1909, 0.2409, 0.2094



53.1909, 0.4377, 0.4452



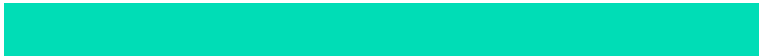
53.1909, 0.1737, 0.2387

# Square

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



53.1909, 0.4377, 0.4452



53.1909, 0.2255, 0.3875



53.1909, 0.1929, 0.2100



53.1909, 0.3988, 0.2753



# Rectangle

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



53.1909, 0.4377, 0.4452



53.1909, 0.3197, 0.4744



53.1909, 0.1929, 0.2100



53.1909, 0.2879, 0.2225

# Sweetspot

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



53.1935, 0.4377, 0.4452



88.2119, 0.3456, 0.3654



23.4523, 0.4705, 0.2814



18.5523, 0.3507, 0.3707



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.



53.1935, 0.4377, 0.4452



60.6627, 0.4610, 0.4559



70.5688, 0.3809, 0.4974



16.0864, 0.3275, 0.3457



24.8624, 0.4803, 0.4568



1.9937, 0.4694, 0.4655



# Inverse Universe

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



20.4927, 0.1942, 0.1659



18.0054, 0.1745, 0.1295



13.7683, 0.2001, 0.1202



14.5529, 0.2981, 0.3117



5.5921, 0.1602, 0.0967



0.5678, 0.1682, 0.1253



# Previews

## White Background



This preview shows how the Yxy color 53.1909, 0.4377, 0.4452 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 53.1909, 0.4377, 0.4452 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 53.1909, 0.4377, 0.4452**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.1909, 0.4377, 0.4452.



This preview shows how white text looks on a background with the Yxy color 53.1909, 0.4377, 0.4452.

# 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

53.1909, 0.4377, 0.4452

### Protanopia

53.1088, 0.4171, 0.4577

### Deuteranopia

52.9002, 0.4472, 0.4370



## Tritanopia

53.0348, 0.3597, 0.3138

# Trichromacy



## Original Color

53.1909, 0.4377, 0.4452

## Protanomaly

53.1418, 0.4244, 0.4536

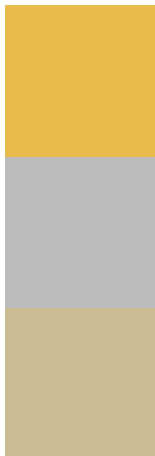
## Deuteranomaly

52.7935, 0.4439, 0.4393

## Tritanomaly

52.5239, 0.3936, 0.3649

# Monochromacy



## Original Color

53.1909, 0.4377, 0.4452

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.9104, 0.3595, 0.3801

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.1909, 0.4377, 0.4452 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(232, 187, 74)` looks like.

```
.text, #text, p{  
    color:rgb(232, 187, 74)  
}
```

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(232, 187, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 187, 74) }
```

## Border

The CSS property to change the border of an element to Yxy 53.1909, 0.4377, 0.4452 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(232, 187, 74) }
```

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

```
.border{ border-color:rgb(232, 187, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 187, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 187, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 187, 74);  
box-shadow:4px 4px 4px 4px rgb(232, 187,  
74) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.1909, 0.4377, 0.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 187, 74) }
```

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

```
.background{ background-color: rgb(232,  
187, 74) }
```

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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