

# Converting Colors

Yxy(53.8818, 0.4485, 0.4808)

Have a look what the booklet for  
Yxy(53.8818, 0.4485, 0.4808)  
contains.

<b>Yxy(53.8812, 0.4484, 0.4809)</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(53.8812, 0.4484, 0.4809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2C006
RGB	226, 192, 6
RGB Percent	89%, 75%, 2%
CMY	0.1138, 0.2470, 0.9768
CMYK	0.00, 0.15, 0.97, 0.11
HSL	51°, 95%, 45%
HSV	51°, 97%, 89%
XYZ	50.2398, 53.8812, 7.9214
YIQ	180.9620, 79.9700, -50.6380

# Conversions

## Conversions Part 2

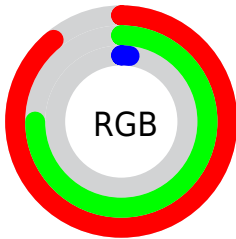
Format	Color
<a href="#">RYB</a>	<a href="#">46, 226, 6</a>
Decimal	<a href="#">14860294</a>
CIELab	<a href="#">78.39, -2.59, 79.25</a>
CIELCh	<a href="#">78, 79.296, 91.873</a>
Yxy	<a href="#">53.8812, 0.4484, 0.4809</a>
Android (android.graphics.Color)	<a href="#">4293050374 (0xFFE2C006)</a>
YUV	<a href="#">180.9620, -86.2563, 39.4983</a>
Hunter-Lab	<a href="#">73.4038, -6.2858, 44.9844</a>

# Details

The Yxy color **53.8812, 0.4484, 0.4809** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed yellow. A complement of this color would be **7.0365, 0.1546, 0.0748**, and the grayscale version is **46.6251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0507, 0.4083, 0.4756**, and **26.5722, 0.4510, 0.4801** is the 20% darker color. If you saturate the color by 10%, you get **53.4713, 0.4499, 0.4810**, and if you desaturate by 10%, it is **55.5068, 0.4419, 0.4791**.

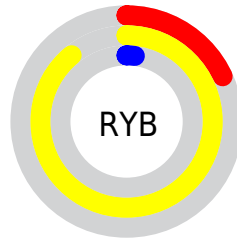
# Distribution



Red (89%)

Green (75%)

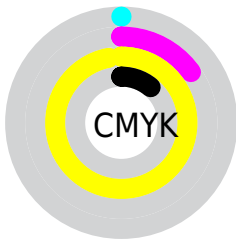
Blue (2%)



Red (18%)

Yellow (89%)

Blue (2%)

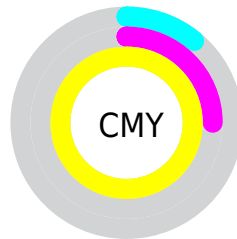


Cyan (0%)

Magenta (15%)

Yellow (97%)

Black (11%)



Cyan (11%)

Magenta (25%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.8812, 0.4484, 0.4809 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 53.8812, 0.4484, 0.4809 by changing the saturation by 10% instead.




 53.8812, 0.4484,  
0.4809


 53.8812, 0.4484,  
0.4809


401.6568, 0.3919,  
0.4163

 38.5067, 0.4576,  
0.4919

 95.8998, 0.4314,  
0.4611

 26.3762, 0.4665,  
0.5029


 123.3127, 0.4239,  
0.4526

 17.1053, 0.4760,  
0.5152


 155.5071, 0.4172,  
0.4449

 10.3096, 0.4790,  
0.5210

 192.8675, 0.4111,  
0.4379

 5.6047, 0.4771,  
0.5229

 235.7783, 0.4055,  
0.4317

 2.6062, 0.4741,  
0.5259

 284.6239, 0.4005,

 0.9298, 0.4686,

0.4261

0.5314

339.7886, 0.3960,  
0.4210

■ 0.0000, 0.0000,  
0.0000

■ 53.8812, 0.4484,  
0.4809

■ 53.8812, 0.4484,  
0.4809

■ 53.4713, 0.4499,  
0.4810

■ 55.5068, 0.4419,  
0.4791

■ 57.2466, 0.4327,  
0.4729

■ 59.1200, 0.4206,  
0.4621

■ 61.1396, 0.4063,  
0.4473

■ 63.3162, 0.3904,  
0.4292

■ 65.6593, 0.3736,  
0.4090

■ 68.1775, 0.3566,  
0.3875

■ 70.8788, 0.3399,  
0.3657

■ 73.7704, 0.3239,  
0.3443

# Harmonies

## Analogous

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



53.8812, 0.5072, 0.4100



53.8812, 0.4484, 0.4809



53.8812, 0.3601, 0.5248

# Triad

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



53.8812, 0.4484, 0.4809



53.8812, 0.1486, 0.2691



53.8812, 0.3359, 0.2196

# Complementary

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



53.8812, 0.4484, 0.4809



7.0365, 0.1546, 0.0748

# 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.



53.8812, 0.2383, 0.1868



53.8812, 0.4484, 0.4809



53.8812, 0.1455, 0.2043

# Square

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



53.8812, 0.4484, 0.4809



53.8812, 0.1881, 0.3791



53.8812, 0.1746, 0.1802



53.8812, 0.4431, 0.2733



# Rectangle

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



53.8812, 0.4484, 0.4809



53.8812, 0.2960, 0.5131



53.8812, 0.1746, 0.1802



53.8812, 0.3003, 0.2060

# Sweetspot

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



53.8838, 0.4484, 0.4809



89.0527, 0.3596, 0.3915



16.4641, 0.6118, 0.3163



18.7543, 0.3670, 0.4007



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.



53.8838, 0.4484, 0.4809



70.1940, 0.4501, 0.4808



61.1259, 0.3621, 0.5494



15.6504, 0.3271, 0.3487



30.6561, 0.4493, 0.4814



2.2235, 0.4439, 0.4857



# Inverse Universe

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



7.0365, 0.1546, 0.0748



8.6940, 0.1530, 0.0708



7.2916, 0.1760, 0.0754



13.5830, 0.2981, 0.3085



3.9234, 0.1537, 0.0733



0.3794, 0.1604, 0.0976



# Previews

## White Background



This preview shows how the Yxy color 53.8812, 0.4484, 0.4809 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 53.8812, 0.4484, 0.4809 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 53.8812, 0.4484, 0.4809**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.8812, 0.4484, 0.4809.

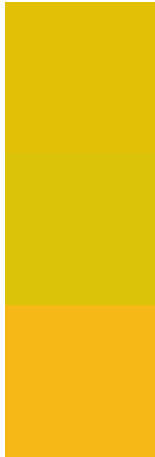


This preview shows how white text looks on a background with the Yxy color 53.8812, 0.4484, 0.4809.

# 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

53.8812, 0.4484, 0.4809

### Protanopia

54.1100, 0.4394, 0.4874

### Deuteranopia

53.7514, 0.4699, 0.4597



## Tritanopia

53.6511, 0.3529, 0.3136

# Trichromacy



## Original Color

53.8812, 0.4484, 0.4809

## Protanomaly

54.1307, 0.4429, 0.4848

## Deuteranomaly

53.7552, 0.4622, 0.4677

## Tritanomaly

52.6458, 0.4067, 0.3952

# Monochromacy



## Original Color

53.8812, 0.4484, 0.4809

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

47.8526, 0.3783, 0.4154

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.8812, 0.4484, 0.4809 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(226, 192, 6)` looks like.

```
.text, #text, p{  
    color:rgb(226, 192, 6)  
}
```

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(226, 192, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 192, 6) }
```

## Border

The CSS property to change the border of an element to Yxy 53.8812, 0.4484, 0.4809 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(226, 192, 6) }
```

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

```
.border{ border-color:rgb(226, 192, 6) }
```

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

Here you see how a box with a 4 pixel rgb(226, 192, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 192, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 192, 6);  
box-shadow:4px 4px 4px 4px rgb(226, 192,  
6) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.8812, 0.4484, 0.4809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 192, 6) }
```

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

```
.background{ background-color: rgb(226,  
192, 6) }
```

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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