

# Converting Colors

Yxy(55.6994, 0.4402, 0.4830)

Have a look what the booklet for  
Yxy(55.6994, 0.4402, 0.4830)  
contains.

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# **Color**

**Yxy(55.8377, 0.4401, 0.4833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0C516
RGB	224, 197, 22
RGB Percent	88%, 77%, 9%
CMY	0.1216, 0.2274, 0.9142
CMYK	0.00, 0.12, 0.90, 0.12
HSL	52°, 82%, 48%
HSV	52°, 90%, 88%
XYZ	50.8466, 55.8377, 8.8499
YIQ	185.1230, 72.2670, -48.7010

# Conversions

## Conversions Part 2

Format	Color
<b>RYB</b>	53, 224, 22
Decimal	14730518
CIELab	79.52, -5.84, 78.06
CIELCh	80, 78.276, 94.277
Yxy	55.8377, 0.4401, 0.4833
Android (android.graphics.Color)	4292920598 (0xFFE0C516)
YUV	185.1230, -80.4196, 34.0951
Hunter-Lab	74.7246, -9.3072, 45.2853

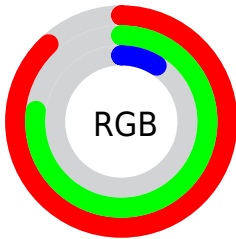
# Details

The Yxy color **55.8377, 0.4401, 0.4833** 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 **7.7336, 0.1585, 0.0824**, and the grayscale version is **49.0071, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2659, 0.4032, 0.4753**, and **27.8390, 0.4423, 0.4870** is the 20% darker color. If you saturate the color by 10%, you get **54.4700, 0.4453, 0.4846**, and if you desaturate by 10%, it is **57.3378, 0.4323, 0.4781**.

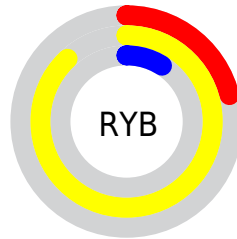
# Distribution



Red (88%)

Green (77%)

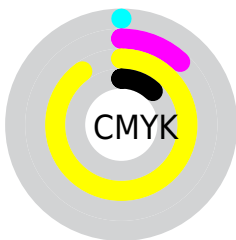
Blue (9%)



Red (21%)

Yellow (88%)

Blue (9%)

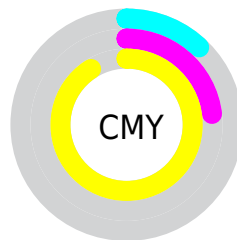


Cyan (0%)

Magenta (12%)

Yellow (90%)

Black (12%)



Cyan (12%)

Magenta (23%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8377, 0.4401, 0.4833 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 55.8377, 0.4401, 0.4833 by changing the saturation by 10% instead.





 55.8377, 0.4401,  
0.4833

 55.8377, 0.4401,  
0.4833


409.0796, 0.3874,  
0.4166


 40.0728, 0.4486,  
0.4952


 98.7672, 0.4243,  
0.4625


 27.5953, 0.4569,  
0.5076


 126.7007, 0.4173,  
0.4536


 18.0208, 0.4647,  
0.5205


 159.4591, 0.4110,  
0.4457

 10.9649, 0.4688,  
0.5312

 197.4269, 0.4053,  
0.4386

 6.0433, 0.4647,  
0.5353

 240.9884, 0.4002,  
0.4322

 2.8714, 0.4582,  
0.5418

 290.5281, 0.3955,

 1.0650, 0.4466,

0.4265

0.5534

346.4304, 0.3912,  
0.4213

■ 0.0000, 0.0000,  
0.0000

■ 55.8377, 0.4401,  
0.4833

■ 55.8377, 0.4401,  
0.4833

■ 54.4700, 0.4453,  
0.4846

■ 57.3378, 0.4323,  
0.4781

■ 58.9533, 0.4218,  
0.4683

■ 60.6997, 0.4087,  
0.4543

■ 62.5880, 0.3938,  
0.4368

■ 64.6276, 0.3776,  
0.4167

■ 66.8272, 0.3609,  
0.3951

■ 69.1946, 0.3444,  
0.3729

■ 71.7371, 0.3283,  
0.3509

■ 74.4614, 0.3131,  
0.3295

# Harmonies

## Analogous

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



55.8377, 0.5004, 0.4151



55.8377, 0.4401, 0.4833



55.8377, 0.3523, 0.5207

# Triad

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



55.8377, 0.4401, 0.4833



55.8377, 0.1503, 0.2640



55.8377, 0.3441, 0.2253

# Complementary

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



55.8377, 0.4401, 0.4833



7.7336, 0.1585, 0.0824

# Split Complementary

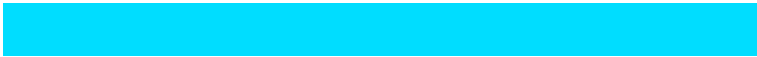
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



55.8377, 0.2465, 0.1912



55.8377, 0.4401, 0.4833



55.8377, 0.1496, 0.2038

# Square

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



55.8377, 0.4401, 0.4833



55.8377, 0.1864, 0.3684



55.8377, 0.1810, 0.1825



55.8377, 0.4473, 0.2796



# Rectangle

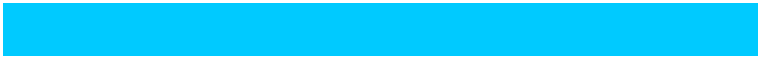
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.8377, 0.4401, 0.4833



55.8377, 0.2895, 0.5037



55.8377, 0.1810, 0.1825



55.8377, 0.3090, 0.2113

# Sweetspot

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



55.8404, 0.4401, 0.4833



90.6091, 0.3559, 0.3884



16.6632, 0.5956, 0.3136



19.1665, 0.3616, 0.3960



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.



55.8404, 0.4401, 0.4833



72.9584, 0.4455, 0.4845



60.1555, 0.3621, 0.5449



15.7012, 0.3270, 0.3491



31.8340, 0.4448, 0.4850



2.2942, 0.4403, 0.4886



# Inverse Universe

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



7.7336, 0.1585, 0.0824



8.3656, 0.1524, 0.0684



8.2569, 0.1866, 0.0846



13.5367, 0.2981, 0.3080



3.7646, 0.1530, 0.0707



0.3575, 0.1591, 0.0928



# Previews

## White Background



This preview shows how the Yxy color 55.8377, 0.4401, 0.4833 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 55.8377, 0.4401, 0.4833 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 55.8377, 0.4401, 0.4833**

## Background



This preview shows how black text looks on a background with the Yxy color 55.8377, 0.4401, 0.4833.



This preview shows how white text looks on a background with the Yxy color 55.8377, 0.4401, 0.4833.

# 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

55.8377, 0.4401, 0.4833

### Protanopia

55.9757, 0.4375, 0.4853

### Deuteranopia

55.7847, 0.4680, 0.4572



## Tritanopia

55.5604, 0.3459, 0.3136

# Trichromacy



## Original Color

55.8377, 0.4401, 0.4833

## Protanomaly

56.1341, 0.4383, 0.4847

## Deuteranomaly

55.8707, 0.4578, 0.4670

## Tritanomaly

54.6488, 0.3951, 0.3913

# Monochromacy



## Original Color

55.8377, 0.4401, 0.4833

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

50.0437, 0.3714, 0.4083

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.8377, 0.4401, 0.4833 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(224, 197, 22)` looks like.

```
.text, #text, p{  
    color:rgb(224, 197, 22)  
}
```

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(224, 197, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 197, 22) }
```

## Border

The CSS property to change the border of an element to Yxy 55.8377, 0.4401, 0.4833 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(224, 197, 22) }
```

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

```
.border{ border-color:rgb(224, 197, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 197, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 197, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 197, 22);  
box-shadow:4px 4px 4px 4px rgb(224, 197,  
22) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.8377, 0.4401, 0.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 197, 22) }
```

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

```
.background{ background-color: rgb(224,  
197, 22) }
```

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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