

# Converting Colors

$Yxy(73.1529, 0.3832, 0.5322)$

Have a look what the booklet for  
Yxy(73.1529, 0.3832, 0.5322)  
contains.

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**Color**

**Yxy(72.9614, 0.3838, 0.5317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0EF0A
RGB	192, 239, 10
RGB Percent	75%, 94%, 4%
CMY	0.2469, 0.0628, 0.9605
CMYK	0.20, 0.00, 0.96, 0.06
HSL	72°, 92%, 49%
HSV	72°, 96%, 94%
XYZ	52.6661, 72.9614, 11.5953
YIQ	198.8410, 45.4970, -81.1830

# Conversions

## Conversions Part 2

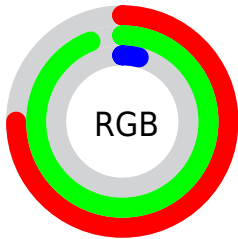
Format	Color
<a href="#">RYB</a>	<a href="#">10, 239, 57</a>
Decimal	<a href="#">12644106</a>
CIELab	<a href="#">88.43, -39.45, 85.25</a>
CIELCh	<a href="#">88, 93.936, 114.832</a>
Yxy	<a href="#">72.9614, 0.3838, 0.5317</a>
Android (android.graphics.Color)	<a href="#">4290834186</a> ( <a href="#">0xFFC0EF0A</a> )
YUV	<a href="#">198.8410, -93.0986, -5.9996</a>
Hunter-Lab	<a href="#">85.4174, -39.4222, 51.7437</a>

# Details

The Yxy color **72.9614, 0.3838, 0.5317** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed yellow. A complement of this color would be **7.3213, 0.1626, 0.0685**, and the grayscale version is **57.5811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2108, 0.3995, 0.4757**, and **38.8535, 0.3718, 0.5430** is the 20% darker color. If you saturate the color by 10%, you get **72.6748, 0.3829, 0.5342**, and if you desaturate by 10%, it is **73.7088, 0.3848, 0.5237**.

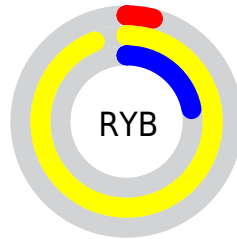
# Distribution



Red (75%)

Green (94%)

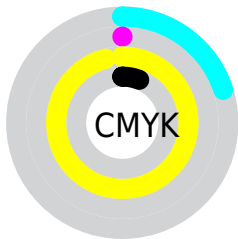
Blue (4%)



Red (4%)

Yellow (94%)

Blue (22%)

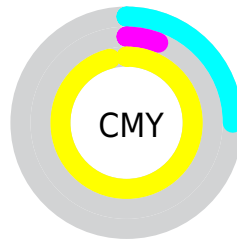


Cyan (20%)

Magenta (0%)

Yellow (96%)

Black (6%)



Cyan (25%)

Magenta (6%)


Yellow (96%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9614, 0.3838, 0.5317 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 72.9614, 0.3838, 0.5317 by changing the saturation by 10% instead.




 72.9614, 0.3838,  
0.5317

 72.9614, 0.3838,  
0.5317


 470.8810, 0.3617,  
0.4398


 53.9444, 0.3851,  
0.5501


 123.4224, 0.3790,  
0.5015

 38.5572, 0.3847,  
0.5711

 155.6352, 0.3763,  
0.4892


 26.4154, 0.3811,  
0.5944


 193.0154, 0.3736,  
0.4783

 17.1347, 0.3751,  
0.6249

 235.9474, 0.3709,  
0.4687

 10.3306, 0.3536,  
0.6464

 284.8155, 0.3684,  
0.4602

 5.6187, 0.3224,  
0.6776


 340.0043, 0.3660,

 2.6146, 0.2733,

0.4527

401.8980, 0.3638,  
0.4459


0.7267


 0.9340, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 72.9614, 0.3838,  
0.5317


 72.9614, 0.3838,  
0.5317

 72.6748, 0.3829,  
0.5342

 73.7088, 0.3848,  
0.5237

 74.5701, 0.3833,  
0.5110

 75.5658, 0.3792,  
0.4937

 76.7099, 0.3726,  
0.4724

■ 78.0145, 0.3640,  
0.4482

■ 79.4903, 0.3538,  
0.4222

■ 81.1469, 0.3427,  
0.3954

■ 82.9933, 0.3310,  
0.3689

■ 85.0376, 0.3194,  
0.3432

# Harmonies

## Analogous

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



72.9614, 0.4728, 0.4704



72.9614, 0.3838, 0.5317



72.9614, 0.2832, 0.5222

# Triad

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



72.9614, 0.3838, 0.5317



72.9614, 0.1346, 0.2080



72.9614, 0.4268, 0.2548

# Complementary

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



72.9614, 0.3838, 0.5317



7.3213, 0.1626, 0.0685

# 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.



72.9614, 0.3099, 0.2033



72.9614, 0.3838, 0.5317



72.9614, 0.1570, 0.1749

# Square

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



72.9614, 0.3838, 0.5317



72.9614, 0.1455, 0.2874



72.9614, 0.2143, 0.1752



72.9614, 0.5129, 0.3207



# Rectangle

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



72.9614, 0.3838, 0.5317



72.9614, 0.2215, 0.4577



72.9614, 0.2143, 0.1752



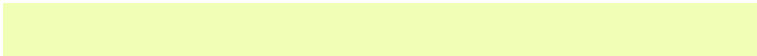
72.9614, 0.3881, 0.2355

# Sweetspot

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



72.9647, 0.3838, 0.5317



93.3536, 0.3464, 0.4043



21.1868, 0.6108, 0.3492



19.8066, 0.3512, 0.4158



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.



72.9647, 0.3838, 0.5317



84.1726, 0.3828, 0.5343



63.4053, 0.3152, 0.5857



18.2858, 0.3237, 0.3526



40.2200, 0.3835, 0.5337



3.3867, 0.3885, 0.5298



# Inverse Universe

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



7.3213, 0.1626, 0.0685



7.9584, 0.1590, 0.0649



15.0322, 0.2483, 0.1154



15.3849, 0.3011, 0.3048



3.8497, 0.1603, 0.0657

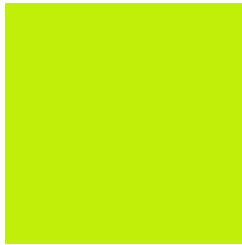


0.3612, 0.1722, 0.0722



# Previews

## White Background



This preview shows how the Yxy color 72.9614, 0.3838, 0.5317 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 72.9614, 0.3838, 0.5317 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 72.9614, 0.3838, 0.5317**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.9614, 0.3838, 0.5317.



This preview shows how white text looks on a background with the Yxy color 72.9614, 0.3838, 0.5317.

# 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

72.9614, 0.3838, 0.5317

### Protanopia

72.5665, 0.4409, 0.4881

### Deuteranopia

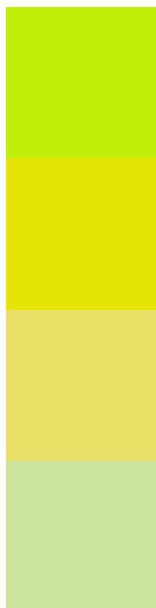
72.2612, 0.3858, 0.3897



## Tritanopia

72.5309, 0.2945, 0.3095

# Trichromacy



## Original Color

72.9614, 0.3838, 0.5317

## Protanomaly

72.1536, 0.4198, 0.5042

## Deuteranomaly

71.4464, 0.3969, 0.4546

## Tritanomaly

70.8662, 0.3429, 0.4125

# Monochromacy



## Original Color

72.9614, 0.3838, 0.5317

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

61.4406, 0.3566, 0.4309

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9614, 0.3838, 0.5317 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(192, 239, 10)` looks like.

```
.text, #text, p{  
    color:rgb(192, 239, 10)  
}
```

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(192, 239, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 239, 10) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9614, 0.3838, 0.5317 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(192, 239, 10) }
```

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

```
.border{ border-color:rgb(192, 239, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 239, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 239, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 239, 10);  
box-shadow:4px 4px 4px 4px rgb(192, 239,  
10) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.9614, 0.3838, 0.5317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 239, 10) }
```

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

```
.background{ background-color: rgb(192,  
239, 10) }
```

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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