

# Converting Colors

$Y_{xy}(71.0514, 0.3887, 0.5194)$

Have a look what the booklet for  
Yxy(71.0514, 0.3887, 0.5194)  
contains.

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**Color**

**Yxy(71.1151, 0.3890, 0.5191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7EA24
RGB	199, 234, 36
RGB Percent	78%, 92%, 14%
CMY	0.2197, 0.0823, 0.8586
CMYK	0.15, 0.00, 0.85, 0.08
HSL	71°, 83%, 53%
HSV	71°, 85%, 92%
XYZ	53.2918, 71.1151, 12.5900
YIQ	200.9630, 42.6980, -68.9980

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	36, 234, 71
Decimal	13101604
CIE Lab	87.54, -34.00, 81.08
CIE LCh	88, 87.923, 112.749
Yxy	71.1151, 0.3890, 0.5191
Android (android.graphics.Color)	4291291684 (0xFFC7EA24)
YUV	200.9630, -81.3268, -1.7216
Hunter-Lab	84.3298, -34.7749, 50.1791

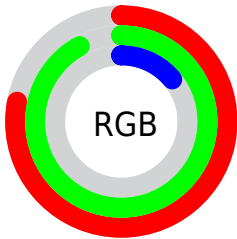
# Details

The Yxy color **71.1151, 0.3890, 0.5191** is a light color, and the websafe version is hex **CCFF33**.

The color can be described as light washed yellow. A complement of this color would be **8.5484, 0.1720, 0.0813**, and the grayscale version is **58.8823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7593, 0.3973, 0.4689**, and **37.4162, 0.3821, 0.5348** is the 20% darker color. If you saturate the color by 10%, you get **70.4602, 0.3888, 0.5272**, and if you desaturate by 10%, it is **71.8852, 0.3867, 0.5064**.

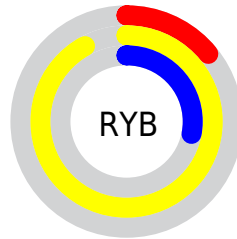
# Distribution



Red (78%)

Green (92%)

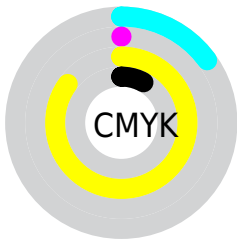
Blue (14%)



Red (14%)

Yellow (92%)

Blue (28%)

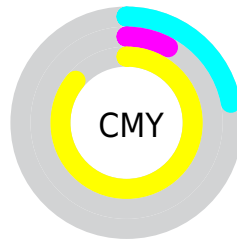


Cyan (15%)

Magenta (0%)

Yellow (85%)

Black (8%)



Cyan (22%)

Magenta (8%)


Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1151, 0.3890, 0.5191 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 71.1151, 0.3890, 0.5191 by changing the saturation by 10% instead.




 71.1151, 0.3890,  
0.5191

 71.1151, 0.3890,  
0.5191


464.4557, 0.3630,  
0.4327

 52.4361, 0.3916,  
0.5366


 120.7976, 0.3825,  
0.4906

 37.3528, 0.3929,  
0.5566


 152.5699, 0.3792,  
0.4790


 25.4808, 0.3915,  
0.5789


 189.4755, 0.3761,  
0.4688

 16.4356, 0.3888,  
0.6089

 231.8987, 0.3731,  
0.4598

 9.8329, 0.3708,  
0.6292

 280.2239, 0.3703,  
0.4518

 5.2883, 0.3429,  
0.6571

 334.8355, 0.3677,

 2.4174, 0.2984,

0.4447

0.7016

396.1180, 0.3652,  
0.4384

■ 0.8348, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 71.1151, 0.3890,  
0.5191

■ 71.1151, 0.3890,  
0.5191

■ 70.4602, 0.3888,  
0.5272

■ 71.8852, 0.3867,  
0.5064

■ 70.1364, 0.3879,  
0.5302

■ 72.7766, 0.3817,  
0.4892

■ 73.8054, 0.3743,  
0.4681

■ 74.9830, 0.3650,  
0.4442

■ 76.3192, 0.3542,  
0.4184

■ 77.8230, 0.3424,  
0.3919

■ 79.5027, 0.3303,  
0.3656

■ 81.3661, 0.3182,  
0.3402

■ 83.4204, 0.3064,  
0.3162

# Harmonies

## Analogous

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



71.1151, 0.4718, 0.4611



71.1151, 0.3890, 0.5191



71.1151, 0.2928, 0.5138

# Triad

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



71.1151, 0.3890, 0.5191



71.1151, 0.1416, 0.2180



71.1151, 0.4133, 0.2546

# Complementary

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



71.1151, 0.3890, 0.5191



8.5484, 0.1720, 0.0813

# 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.



71.1151, 0.3032, 0.2060



71.1151, 0.3890, 0.5191



71.1151, 0.1610, 0.1827

# Square

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



71.1151, 0.3890, 0.5191



71.1151, 0.1551, 0.2978



71.1151, 0.2141, 0.1807



71.1151, 0.4985, 0.3179



# Rectangle

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



71.1151, 0.3890, 0.5191



71.1151, 0.2326, 0.4573



71.1151, 0.2141, 0.1807



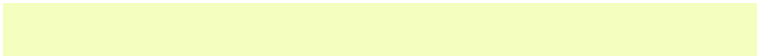
71.1151, 0.3766, 0.2362

# Sweetspot

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



71.1183, 0.3890, 0.5191



94.4757, 0.3431, 0.3933



21.8833, 0.5845, 0.3516



20.0793, 0.3473, 0.4027



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.



71.1183, 0.3890, 0.5191



85.2043, 0.3878, 0.5303



61.8054, 0.3238, 0.5682



17.4844, 0.3241, 0.3525



39.4592, 0.3884, 0.5298



3.1338, 0.3930, 0.5262



# Inverse Universe

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



8.5484, 0.1720, 0.0813



7.7806, 0.1568, 0.0638



15.5332, 0.2504, 0.1229



14.6770, 0.3007, 0.3048



3.6459, 0.1581, 0.0645



0.3233, 0.1700, 0.0710



# Previews

## White Background



This preview shows how the Yxy color 71.1151, 0.3890, 0.5191 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 71.1151, 0.3890, 0.5191 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 71.1151, 0.3890, 0.5191**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1151, 0.3890, 0.5191.



This preview shows how white text looks on a background with the Yxy color 71.1151, 0.3890, 0.5191.

# 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

71.1151, 0.3890, 0.5191

### Protanopia

70.5415, 0.4377, 0.4828

### Deuteranopia

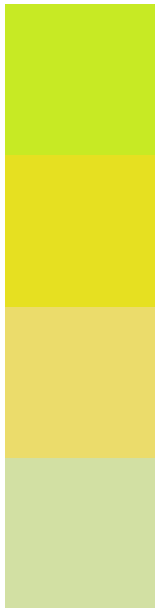
70.4536, 0.3935, 0.3958



## Tritanopia

70.8927, 0.3009, 0.3106

# Trichromacy



## Original Color

71.1151, 0.3890, 0.5191

## Protanomaly

70.2441, 0.4205, 0.4958

## Deuteranomaly

69.9101, 0.3993, 0.4466

## Tritanomaly

69.6573, 0.3431, 0.3993

# Monochromacy



## Original Color

71.1151, 0.3890, 0.5191

## Achromatopsia

58.4078, 0.3127, 0.3290

## Achromatomaly

61.7909, 0.3528, 0.4159

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1151, 0.3890, 0.5191 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(199, 234, 36)` looks like.

```
.text, #text, p{  
    color:rgb(199, 234, 36)  
}
```

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(199, 234, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 234, 36) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1151, 0.3890, 0.5191 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(199, 234, 36) }
```

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

```
.border{ border-color:rgb(199, 234, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 234, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 234, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 234, 36);  
box-shadow:4px 4px 4px 4px rgb(199, 234,  
36) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1151, 0.3890, 0.5191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 234, 36) }
```

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

```
.background{ background-color: rgb(199,  
234, 36) }
```

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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