

# Converting Colors

$Yxy(72.6559, 0.3745, 0.5083)$

Have a look what the booklet for  
Yxy(72.6559, 0.3745, 0.5083)  
contains.

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**Color**

**Yxy(72.9162, 0.3740, 0.5084)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1EE45
RGB	193, 238, 69
RGB Percent	76%, 93%, 27%
CMY	0.2431, 0.0666, 0.7296
CMYK	0.19, 0.00, 0.71, 0.07
HSL	76°, 83%, 60%
HSV	76°, 71%, 93%
XYZ	53.6402, 72.9162, 16.8665
YIQ	205.2790, 27.4290, -62.0990

# Conversions

## Conversions Part 2

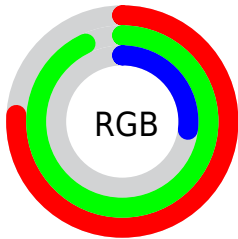
Format	Color
R <sub>Y</sub> B	69, 238, 114
Decimal	12709445
CIE Lab	88.41, -36.84, 72.60
CIE LCh	88, 81.413, 116.904
Yxy	72.9162, 0.3740, 0.5084
Android (android.graphics.Color)	4290899525 (0xFFC1EE45)
YUV	205.2790, -67.1855, -10.7687
Hunter-Lab	85.3910, -37.3056, 48.0627

# Details

The Yxy color **72.9162, 0.3740, 0.5084** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **13.9958, 0.2027, 0.1159**, and the grayscale version is **61.6588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9350, 0.3850, 0.4516**, and **38.6068, 0.3744, 0.5409** is the 20% darker color. If you saturate the color by 10%, you get **71.8662, 0.3757, 0.5246**, and if you desaturate by 10%, it is **74.1269, 0.3697, 0.4878**.

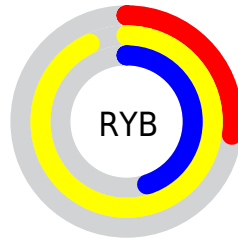
# Distribution



Red (76%)

Green (93%)

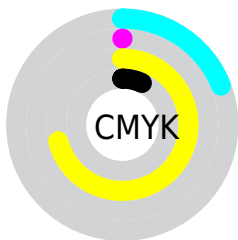
Blue (27%)



Red (27%)

Yellow (93%)

Blue (45%)

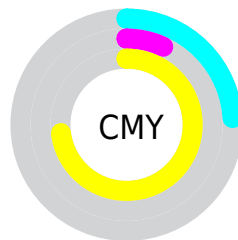


Cyan (19%)

Magenta (0%)

Yellow (71%)

Black (7%)



Cyan (24%)

Magenta (7%)


Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.9162, 0.3740, 0.5084 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 72.9162, 0.3740, 0.5084 by changing the saturation by 10% instead.




 72.9162, 0.3740,  
0.5084


 72.9162, 0.3740,  
0.5084

470.7243, 0.3528,  
0.4248


 53.9074, 0.3763,  
0.5263


 123.3582, 0.3686,  
0.4801

 38.5277, 0.3777,  
0.5473


 155.5603, 0.3659,  
0.4688


 26.3925, 0.3770,  
0.5720


 192.9289, 0.3633,  
0.4590

 17.1175, 0.3725,  
0.6008

 235.8485, 0.3609,  
0.4504

 10.3183, 0.3627,  
0.6373

 284.7035, 0.3586,  
0.4429

 5.6105, 0.3336,  
0.6664

339.8781, 0.3565,

 2.6097, 0.2875,

0.4362

0.7125

401.7570, 0.3546,  
0.4302

■ 0.9316, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 72.9162, 0.3740,  
0.5084

■ 72.9162, 0.3740,  
0.5084

■ 71.8662, 0.3757,  
0.5246

■ 74.1269, 0.3697,  
0.4878

■ 70.9513, 0.3748,  
0.5360


■ 75.5014, 0.3632,  
0.4639


■ 70.2265, 0.3723,  
0.5426

■ 77.0546, 0.3549,  
0.4376


■ 78.7967, 0.3453,  
0.4104

 80.7372, 0.3350,  
0.3831

 82.8846, 0.3244,  
0.3566

 85.2472, 0.3138,  
0.3315

 87.5496, 0.3061,  
0.3123

 88.7006, 0.3102,  
0.3125

# Harmonies

## Analogous

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



72.9162, 0.4534, 0.4634



72.9162, 0.3740, 0.5084



72.9162, 0.2838, 0.4889

# Triad

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



72.9162, 0.3740, 0.5084



72.9162, 0.1529, 0.2198



72.9162, 0.4188, 0.2678

# Complementary

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



72.9162, 0.3740, 0.5084



13.9958, 0.2027, 0.1159

# 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.



72.9162, 0.3181, 0.2192



72.9162, 0.3740, 0.5084



72.9162, 0.1757, 0.1904

# Square

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



72.9162, 0.3740, 0.5084



72.9162, 0.1619, 0.2887



72.9162, 0.2309, 0.1918



72.9162, 0.4903, 0.3293



# Rectangle

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



72.9162, 0.3740, 0.5084



72.9162, 0.2292, 0.4313



72.9162, 0.2309, 0.1918



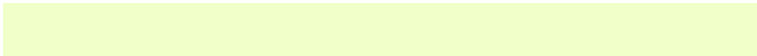
72.9162, 0.3861, 0.2496

# Sweetspot

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



72.9195, 0.3740, 0.5084



94.4143, 0.3350, 0.3832



30.0211, 0.5174, 0.3694



20.0689, 0.3380, 0.3907



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.



72.9195, 0.3740, 0.5084



83.5731, 0.3756, 0.5301



64.9745, 0.3203, 0.5444



18.2351, 0.3227, 0.3526



39.2435, 0.3730, 0.5420



3.3129, 0.3793, 0.5370



# Inverse Universe

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



13.9958, 0.2027, 0.1159



11.1061, 0.1810, 0.0853



22.1231, 0.2768, 0.1521



15.4322, 0.3021, 0.3049



4.0937, 0.1663, 0.0690

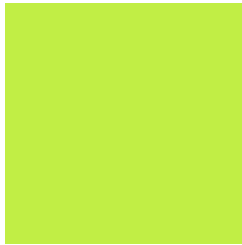


0.3875, 0.1795, 0.0763



# Previews

## White Background



This preview shows how the Yxy color 72.9162, 0.3740, 0.5084 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 72.9162, 0.3740, 0.5084 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 72.9162, 0.3740, 0.5084**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.9162, 0.3740, 0.5084.



This preview shows how white text looks on a background with the Yxy color 72.9162, 0.3740, 0.5084.

# 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

72.9162, 0.3740, 0.5084

### Protanopia

72.5807, 0.4274, 0.4716

### Deuteranopia

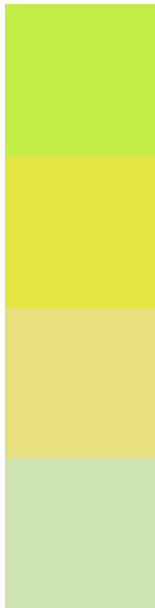
72.3295, 0.3844, 0.3877



## Tritanopia

72.5309, 0.2945, 0.3095

# Trichromacy



**Original Color**

72.9162, 0.3740, 0.5084

**Protanomaly**

72.3741, 0.4075, 0.4857

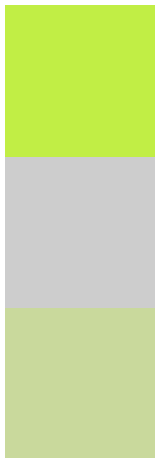
**Deuteranomaly**

71.4375, 0.3843, 0.4328

**Tritanomaly**

71.6803, 0.3288, 0.3867

# Monochromacy



**Original Color**

72.9162, 0.3740, 0.5084

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

64.4435, 0.3424, 0.4019

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.9162, 0.3740, 0.5084 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(193, 238, 69)` looks like.

```
.text, #text, p{  
    color:rgb(193, 238, 69)  
}
```

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(193, 238, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 238, 69) }
```

## Border

The CSS property to change the border of an element to Yxy 72.9162, 0.3740, 0.5084 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(193, 238, 69) }
```

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

```
.border{ border-color:rgb(193, 238, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 238, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 238, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 238, 69);  
box-shadow:4px 4px 4px 4px rgb(193, 238,  
69) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.9162, 0.3740, 0.5084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 238, 69) }
```

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

```
.background{ background-color: rgb(193,  
238, 69) }
```

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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