

# Converting Colors

Yxy(73.6843, 0.3858, 0.5318)

Have a look what the booklet for  
Yxy(73.6843, 0.3858, 0.5318)  
contains.

<b>Yxy(73.9223, 0.3860, 0.5317)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(73.9223, 0.3860, 0.5317)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3F000
RGB	195, 240, 0
RGB Percent	76%, 94%, 0%
CMY	0.2353, 0.0588, 0.9996
CMYK	0.19, 0.00, 1.00, 0.06
HSL	71°, 100%, 47%
HSV	71°, 100%, 94%
XYZ	53.6656, 73.9223, 11.4422
YIQ	199.1850, 50.2200, -84.1800

# Conversions

## Conversions Part 2

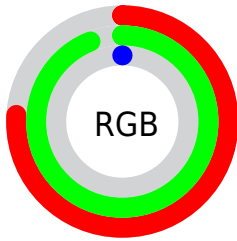
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 240, 45
Decimal	12840960
CIELab	88.89, -38.83, 86.46
CIELCh	89, 94.779, 114.188
Yxy	73.9223, 0.3860, 0.5317
Android (android.graphics.Color)	4291031040 (0xFFC3F000)
YUV	199.1850, -98.1982, -3.6702
Hunter-Lab	85.9781, -39.0459, 52.2942

# Details

The Yxy color **73.9223, 0.3860, 0.5317** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light saturated yellow. A complement of this color would be **6.8547, 0.1578, 0.0643**, and the grayscale version is **57.8325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **39.5152, 0.3739, 0.5413** is the 20% darker color. If you saturate the color by 10%, you get **73.9226, 0.3860, 0.5317**, and if you desaturate by 10%, it is **74.6007, 0.3875, 0.5254**.

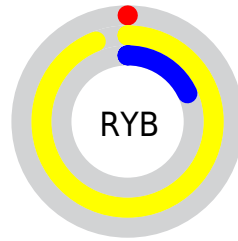
# Distribution



Red (76%)

Green (94%)

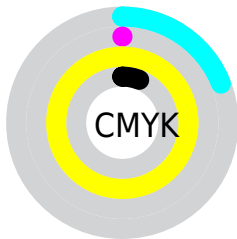
Blue (0%)



Red (0%)

Yellow (94%)

Blue (18%)

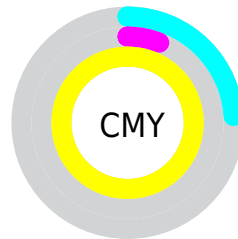


Cyan (19%)

Magenta (0%)

Yellow (100%)

Black (6%)



Cyan (24%)

Magenta (6%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.9223, 0.3860, 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 73.9223, 0.3860, 0.5317 by changing the saturation by 10% instead.





 73.9223, 0.3860,  
0.5317

 73.9223, 0.3860,  
0.5317


474.2052, 0.3632,  
0.4404


 54.7304, 0.3874,  
0.5498


 124.7857, 0.3810,  
0.5018

 39.1859, 0.3871,  
0.5703

 157.2259, 0.3782,  
0.4896


 26.9044, 0.3837,  
0.5930


 194.8512, 0.3754,  
0.4788

 17.5014, 0.3777,  
0.6223

 238.0457, 0.3727,  
0.4693

 10.5927, 0.3569,  
0.6431

 287.1940, 0.3701,  
0.4608

 5.7936, 0.3267,  
0.6733


 342.6804, 0.3676,

 2.7200, 0.2795,


0.4533


0.7205


404.8893, 0.3653,  
0.4465


 0.9874, 0.0000,  
1.0000

 0.0000, 0.0000,  
0.0000


 73.9223, 0.3860,  
0.5317


 73.9223, 0.3860,  
0.5317

 73.9226, 0.3860,  
0.5317

 74.6007, 0.3875,  
0.5254

 75.3758, 0.3867,  
0.5150

 76.2764, 0.3834,  
0.5000

 77.3178, 0.3775,  
0.4807

■ 78.5129, 0.3693,  
0.4579

■ 79.8728, 0.3594,  
0.4328

■ 81.4078, 0.3483,  
0.4064

■ 83.1271, 0.3365,  
0.3798

■ 85.0392, 0.3245,  
0.3537

# Harmonies

## Analogous

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



73.9223, 0.4749, 0.4691



73.9223, 0.3860, 0.5317



73.9223, 0.2851, 0.5246

# Triad

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



73.9223, 0.3860, 0.5317



73.9223, 0.1339, 0.2087



73.9223, 0.4248, 0.2532

# Complementary

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



73.9223, 0.3860, 0.5317



6.8547, 0.1578, 0.0643

# 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.



73.9223, 0.3074, 0.2020



73.9223, 0.3860, 0.5317



73.9223, 0.1557, 0.1747

# Square

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



73.9223, 0.3860, 0.5317



73.9223, 0.1455, 0.2895



73.9223, 0.2123, 0.1744



73.9223, 0.5127, 0.3191



# Rectangle

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



73.9223, 0.3860, 0.5317



73.9223, 0.2229, 0.4610



73.9223, 0.2123, 0.1744



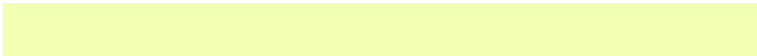
73.9223, 0.3859, 0.2339

# Sweetspot

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



73.9256, 0.3860, 0.5317



93.3932, 0.3485, 0.4068



20.3349, 0.6227, 0.3437



19.8254, 0.3533, 0.4180



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.



73.9256, 0.3860, 0.5317



84.8079, 0.3859, 0.5318



63.8637, 0.3146, 0.5884



18.3004, 0.3239, 0.3525



40.5189, 0.3865, 0.5313



3.4091, 0.3911, 0.5277



# Inverse Universe

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



6.8547, 0.1578, 0.0643



7.8446, 0.1576, 0.0642



14.1908, 0.2411, 0.1102



15.3714, 0.3009, 0.3048



3.7917, 0.1589, 0.0649

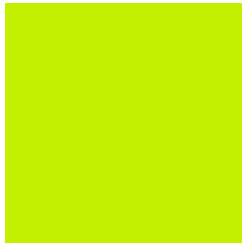


0.3545, 0.1703, 0.0712



# Previews

## White Background



This preview shows how the Yxy color 73.9223, 0.3860, 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 73.9223, 0.3860, 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 73.9223, 0.3860, 0.5317**

## Background



This preview shows how black text looks on a background with the Yxy color 73.9223, 0.3860, 0.5317.

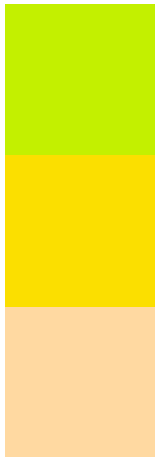


This preview shows how white text looks on a background with the Yxy color 73.9223, 0.3860, 0.5317.

# 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**

73.9223, 0.3860, 0.5317

**Protanopia**

73.2846, 0.4408, 0.4882

**Deuteranopia**

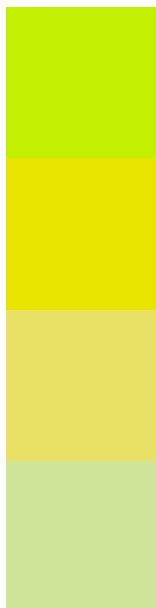
73.4589, 0.3815, 0.3866



## Tritanopia

73.5733, 0.2959, 0.3097

# Trichromacy



## Original Color

73.9223, 0.3860, 0.5317

## Protanomaly

73.0275, 0.4208, 0.5040

## Deuteranomaly

72.1334, 0.3977, 0.4559

## Tritanomaly

71.7484, 0.3468, 0.4163

# Monochromacy



## Original Color

73.9223, 0.3860, 0.5317

## Achromatopsia

57.1125, 0.3127, 0.3290

## Achromatomaly

61.6312, 0.3601, 0.4338

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.9223, 0.3860, 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(195, 240, 0)` looks like.

```
.text, #text, p{  
    color:rgb(195, 240, 0)  
}
```

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(195, 240, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 240, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 73.9223, 0.3860, 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(195, 240, 0) }
```

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

```
.border{ border-color:rgb(195, 240, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 240, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 240, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 240, 0);  
box-shadow:4px 4px 4px 4px rgb(195, 240,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.9223, 0.3860, 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(195, 240, 0) }
```

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

```
.background{ background-color: rgb(195,  
240, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor