

# Converting Colors

$Y_{xy}(70.4045, 0.3872, 0.5308)$

Have a look what the booklet for  
Yxy(70.4045, 0.3872, 0.5308)  
contains.

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**Color**

**Yxy(70.6231, 0.3868, 0.5310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0EB00
RGB	192, 235, 0
RGB Percent	75%, 92%, 0%
CMY	0.2471, 0.0784, 0.9982
CMYK	0.18, 0.00, 1.00, 0.08
HSL	71°, 100%, 46%
HSV	71°, 100%, 92%
XYZ	51.4445, 70.6231, 10.9326
YIQ	195.3530, 49.8070, -82.2010

# Conversions

## Conversions Part 2

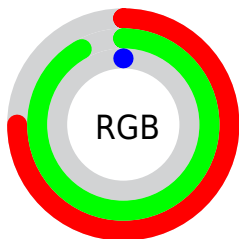
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 235, 43</a>
Decimal	<a href="#">12643072</a>
CIELab	<a href="#">87.30, -37.79, 85.15</a>
CIELCh	<a href="#">87, 93.157, 113.931</a>
Yxy	<a href="#">70.6231, 0.3868, 0.5310</a>
Android (android.graphics.Color)	<a href="#">4290833152 (0xFFC0EB00)</a>
YUV	<a href="#">195.3530, -96.3090, -2.9406</a>
Hunter-Lab	<a href="#">84.0376, -37.7951, 51.1131</a>

# Details

The Yxy color **70.6231, 0.3868, 0.5310** 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 **6.5331, 0.1577, 0.0643**, and the grayscale version is **55.3904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1580, 0.4006, 0.4776**, and **37.2267, 0.3746, 0.5407** is the 20% darker color. If you saturate the color by 10%, you get **70.6141, 0.3868, 0.5311**, and if you desaturate by 10%, it is **71.2621, 0.3881, 0.5247**.

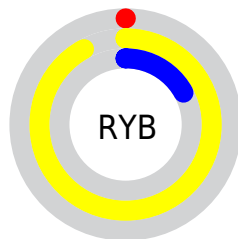
# Distribution



Red (75%)

Green (92%)

Blue (0%)



Red (0%)

Yellow (92%)

Blue (17%)

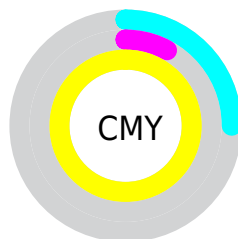


Cyan (18%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (25%)

Magenta (8%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.6231, 0.3868, 0.5310 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 70.6231, 0.3868, 0.5310 by changing the saturation by 10% instead.




 70.6231, 0.3868,  
0.5310


 70.6231, 0.3868,  
0.5310


462.7348, 0.3633,  
0.4393

 52.0347, 0.3883,  
0.5493

 120.0969, 0.3816,  
0.5009


 37.0327, 0.3881,  
0.5700

 151.7511, 0.3787,  
0.4886


 25.2328, 0.3846,  
0.5930


 188.5293, 0.3758,  
0.4778

 16.2506, 0.3780,  
0.6220

 230.8160, 0.3730,  
0.4682

 9.7017, 0.3567,  
0.6433

 278.9954, 0.3703,  
0.4598

 5.2016, 0.3253,  
0.6747


 333.4521, 0.3678,

 2.3660, 0.2754,


0.4522


0.7246


394.5705, 0.3655,  
0.4454


 0.8083, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 70.6231, 0.3868,  
0.5310


 70.6231, 0.3868,  
0.5310

 70.6141, 0.3868,  
0.5311

 71.2621, 0.3881,  
0.5247

 71.9930, 0.3873,  
0.5143

 72.8429, 0.3838,  
0.4992

 73.8263, 0.3778,  
0.4799

■ 74.9554, 0.3695,  
0.4572

■ 76.2407, 0.3595,  
0.4322

■ 77.6920, 0.3483,  
0.4058

■ 79.3179, 0.3364,  
0.3793

■ 81.1265, 0.3244,  
0.3533

# Harmonies

## Analogous

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



70.6231, 0.4753, 0.4683



70.6231, 0.3868, 0.5310



70.6231, 0.2860, 0.5246

# Triad

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



70.6231, 0.3868, 0.5310



70.6231, 0.1341, 0.2093



70.6231, 0.4237, 0.2528

# Complementary

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



70.6231, 0.3868, 0.5310



6.5331, 0.1577, 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.



70.6231, 0.3065, 0.2018



70.6231, 0.3868, 0.5310



70.6231, 0.1556, 0.1750

# Square

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



70.6231, 0.3868, 0.5310



70.6231, 0.1461, 0.2905



70.6231, 0.2118, 0.1745



70.6231, 0.5118, 0.3186



# Rectangle

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



70.6231, 0.3868, 0.5310



70.6231, 0.2238, 0.4617



70.6231, 0.2118, 0.1745



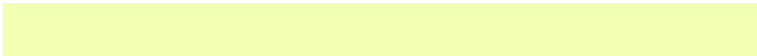
70.6231, 0.3847, 0.2336

# Sweetspot

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



70.6263, 0.3868, 0.5310



93.4491, 0.3487, 0.4067



19.4264, 0.6222, 0.3439



19.8389, 0.3535, 0.4179



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.



70.6263, 0.3868, 0.5310



84.9613, 0.3866, 0.5312



60.9080, 0.3148, 0.5882



17.4792, 0.3240, 0.3525



39.3485, 0.3873, 0.5307



3.1261, 0.3920, 0.5270



# Inverse Universe

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



6.5331, 0.1577, 0.0643



7.8192, 0.1573, 0.0640



13.5585, 0.2413, 0.1104



14.6818, 0.3008, 0.3048



3.6652, 0.1586, 0.0647



0.3255, 0.1707, 0.0714



# Previews

## White Background



This preview shows how the Yxy color 70.6231, 0.3868, 0.5310 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 70.6231, 0.3868, 0.5310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

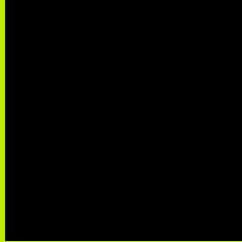
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 70.6231, 0.3868, 0.5310**

## **Background**



This preview shows how black text looks on a background with the Yxy color 70.6231, 0.3868, 0.5310.

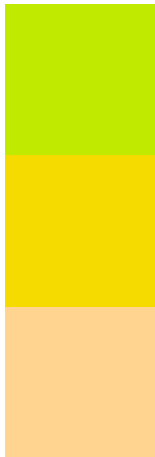


This preview shows how white text looks on a background with the Yxy color 70.6231, 0.3868, 0.5310.

# 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

70.6231, 0.3868, 0.5310

### Protanopia

70.2559, 0.4404, 0.4885

### Deuteranopia

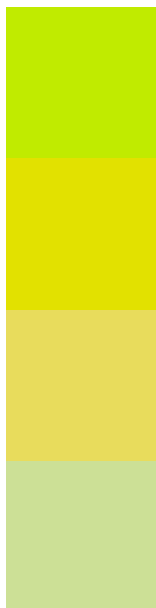
69.8621, 0.3961, 0.3978



## Tritanopia

70.0478, 0.2962, 0.3093

# Trichromacy



## Original Color

70.6231, 0.3868, 0.5310

## Protanomaly

70.0192, 0.4201, 0.5046

## Deuteranomaly

69.1149, 0.4049, 0.4602

## Tritanomaly

68.3507, 0.3470, 0.4156

# Monochromacy



## Original Color

70.6231, 0.3868, 0.5310

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

59.0178, 0.3602, 0.4345

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.6231, 0.3868, 0.5310 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, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(192, 235, 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(192, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 235, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 70.6231, 0.3868, 0.5310 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, 235, 0) }
```

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

```
.border{ border-color:rgb(192, 235, 0) }
```

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

Here you see how a box with a 4 pixel rgb(192, 235, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(192, 235,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.6231, 0.3868, 0.5310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 235, 0) }
```

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

```
.background{ background-color: rgb(192,  
235, 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](#).

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