

# Converting Colors

Yxy(73.5650, 0.3897, 0.5286)

Have a look what the booklet for  
Yxy(73.5650, 0.3897, 0.5286)  
contains.

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**Color**

**Yxy(73.8773, 0.3895, 0.5287)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7EF01
RGB	199, 239, 1
RGB Percent	78%, 94%, 0%
CMY	0.2196, 0.0627, 0.9945
CMYK	0.17, 0.00, 0.99, 0.06
HSL	70°, 99%, 47%
HSV	70°, 99%, 94%
XYZ	54.4263, 73.8773, 11.4302
YIQ	199.9080, 52.5580, -82.4980

# Conversions

## Conversions Part 2

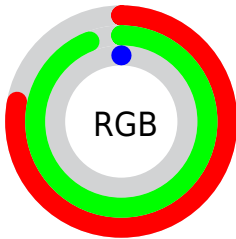
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	1, 239, 41
Decimal	13102849
CIE Lab	88.86, -36.80, 86.45
CIE LCh	89, 93.960, 113.057
Yxy	73.8773, 0.3895, 0.5287
Android (android.graphics.Color)	4291292929 (0xFFC7EF01)
YUV	199.9080, -98.0616, -0.7963
Hunter-Lab	85.9519, -37.3863, 52.2817

# Details

The Yxy color **73.8773, 0.3895, 0.5287** 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 **6.7423, 0.1569, 0.0640**, and the grayscale version is **58.3202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **39.4424, 0.3783, 0.5378** is the 20% darker color. If you saturate the color by 10%, you get **73.8455, 0.3894, 0.5290**, and if you desaturate by 10%, it is **74.5069, 0.3905, 0.5226**.

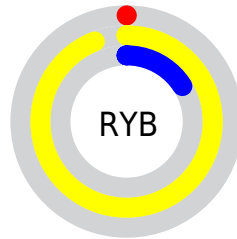
# Distribution



Red (78%)

Green (94%)

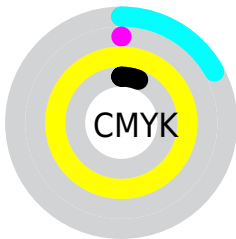
Blue (0%)



Red (0%)

Yellow (94%)

Blue (16%)

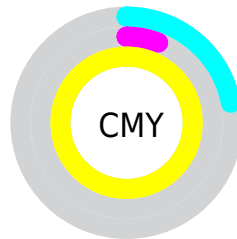


Cyan (17%)

Magenta (0%)

Yellow (99%)

Black (6%)



Cyan (22%)

Magenta (6%)


Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.8773, 0.3895, 0.5287 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 73.8773, 0.3895, 0.5287 by changing the saturation by 10% instead.





 73.8773, 0.3895,  
0.5287


 73.8773, 0.3895,  
0.5287


474.0498, 0.3649,  
0.4392


 54.6936, 0.3913,  
0.5463


 124.7219, 0.3839,  
0.4995

 39.1565, 0.3915,  
0.5662


 157.1515, 0.3808,  
0.4875


 26.8815, 0.3888,  
0.5882


 194.7653, 0.3778,  
0.4770

 17.4842, 0.3836,  
0.6164

 237.9476, 0.3749,  
0.4676

 10.5803, 0.3640,  
0.6360

 287.0828, 0.3722,  
0.4593

 5.7854, 0.3354,  
0.6646


 342.5553, 0.3696,


 2.7150, 0.2904,

0.4519

0.7096


404.7495, 0.3672,  
0.4452


 0.9848, 0.0338,  
0.9662


 0.0000, 0.0000,  
0.0000


 73.8773, 0.3895,  
0.5287


 73.8773, 0.3895,  
0.5287

 73.8455, 0.3894,  
0.5290

 74.5069, 0.3905,  
0.5226

 75.2312, 0.3894,  
0.5123

 76.0774, 0.3855,  
0.4975

 77.0602, 0.3791,  
0.4783

■ 78.1923, 0.3705,  
0.4558

■ 79.4846, 0.3602,  
0.4309

■ 80.9472, 0.3486,  
0.4047

■ 82.5890, 0.3365,  
0.3783

■ 84.4184, 0.3241,  
0.3524

# Harmonies

## Analogous

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



73.8773, 0.4768, 0.4657



73.8773, 0.3895, 0.5287



73.8773, 0.2893, 0.5249

# Triad

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



73.8773, 0.3895, 0.5287



73.8773, 0.1348, 0.2117



73.8773, 0.4197, 0.2515

# Complementary

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



73.8773, 0.3895, 0.5287



6.7423, 0.1569, 0.0640

# 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.



73.8773, 0.3034, 0.2013



73.8773, 0.3895, 0.5287



73.8773, 0.1552, 0.1763

# Square

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



73.8773, 0.3895, 0.5287



73.8773, 0.1478, 0.2940



73.8773, 0.2102, 0.1749



73.8773, 0.5090, 0.3168



# Rectangle

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



73.8773, 0.3895, 0.5287



73.8773, 0.2269, 0.4643



73.8773, 0.2102, 0.1749



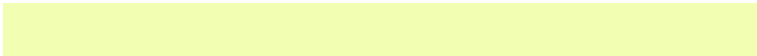
73.8773, 0.3809, 0.2326

# Sweetspot

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



73.8806, 0.3895, 0.5287



93.6528, 0.3495, 0.4065



19.9403, 0.6242, 0.3420



19.8881, 0.3544, 0.4177



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.



73.8806, 0.3895, 0.5287



85.5266, 0.3893, 0.5291



63.4705, 0.3164, 0.5866



18.3165, 0.3242, 0.3525



40.8568, 0.3899, 0.5286



3.4342, 0.3940, 0.5254



# Inverse Universe

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



6.7423, 0.1569, 0.0640



7.7322, 0.1563, 0.0634



13.7157, 0.2376, 0.1084



15.3566, 0.3006, 0.3048



3.7339, 0.1574, 0.0641



0.3475, 0.1683, 0.0701



# Previews

## White Background



This preview shows how the Yxy color 73.8773, 0.3895, 0.5287 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 73.8773, 0.3895, 0.5287 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 73.8773, 0.3895, 0.5287**

## Background



This preview shows how black text looks on a background with the Yxy color 73.8773, 0.3895, 0.5287.

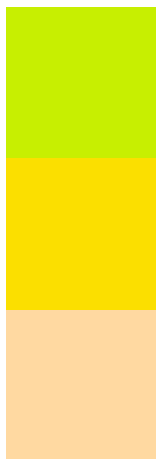


This preview shows how white text looks on a background with the Yxy color 73.8773, 0.3895, 0.5287.

# 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

73.8773, 0.3895, 0.5287

### Protanopia

73.2846, 0.4408, 0.4882

### Deuteranopia

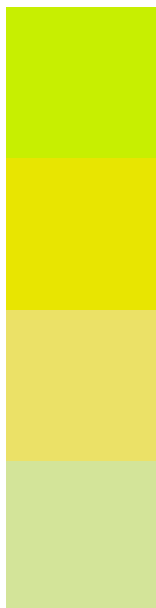
73.4589, 0.3815, 0.3866



## Tritanopia

73.4392, 0.2985, 0.3098

# Trichromacy



## Original Color

73.8773, 0.3895, 0.5287

## Protanomaly

73.1966, 0.4215, 0.5033

## Deuteranomaly

72.4919, 0.3987, 0.4542

## Tritanomaly

71.6356, 0.3493, 0.4146

# Monochromacy



## Original Color

73.8773, 0.3895, 0.5287

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

61.9310, 0.3611, 0.4321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.8773, 0.3895, 0.5287 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, 239, 1)` looks like.

```
.text, #text, p{  
    color:rgb(199, 239, 1)  
}
```

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, 239, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 239, 1) }
```

## Border

The CSS property to change the border of an element to Yxy 73.8773, 0.3895, 0.5287 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, 239, 1) }
```

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

```
.border{ border-color:rgb(199, 239, 1) }
```

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

Here you see how a box with a 4 pixel rgb(199, 239, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 239, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 239, 1);  
box-shadow:4px 4px 4px 4px rgb(199, 239,  
1) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 73.8773, 0.3895, 0.5287$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 239, 1) }
```

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

```
.background{ background-color: rgb(199,  
239, 1) }
```

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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