

# Converting Colors

$Yxy(88.3949, 0.4010, 0.5173)$

Have a look what the booklet for  
Yxy(88.3949, 0.4010, 0.5173)  
contains.

<b>Yxy(88.3835, 0.4009, 0.5173)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(88.3835, 0.4009, 0.5173)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FF11
RGB	230, 255, 17
RGB Percent	90%, 100%, 7%
CMY	0.0980, 0.0000, 0.9336
CMYK	0.10, 0.00, 0.93, 0.00
HSL	66°, 100%, 53%
HSV	66°, 93%, 100%
XYZ	68.4959, 88.3835, 13.9760
YIQ	220.3930, 61.4980, -79.3180

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	17, 255, 42
Decimal	15138577
CIE Lab	95.32, -31.56, 91.05
CIE LCh	95, 96.362, 109.119
Yxy	88.3835, 0.4009, 0.5173
Android (android.graphics.Color)	4293328657 (0xFFE6FF11)
YUV	220.3930, -100.2727, 8.4253
Hunter-Lab	94.0125, -34.4698, 56.9947

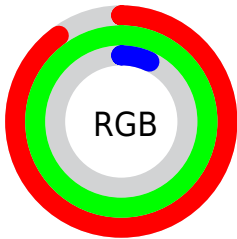
# Details

The Yxy color **88.3835, 0.4009, 0.5173** is a light color, and the websafe version is hex **CCFF00**.

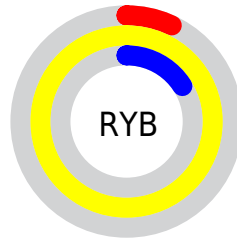
The color can be described as light washed yellow. A complement of this color would be **8.1094, 0.1568, 0.0662**, and the grayscale version is **72.5384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **48.9342, 0.3945, 0.5250** is the 20% darker color. If you saturate the color by 10%, you get **88.0518, 0.4006, 0.5201**, and if you desaturate by 10%, it is **88.9610, 0.3996, 0.5102**.

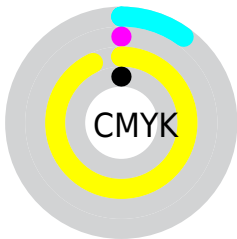
# Distribution



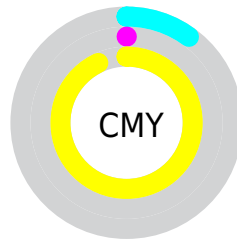
- Red (90%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (16%)



- Cyan (10%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.3835, 0.4009, 0.5173 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 88.3835, 0.4009, 0.5173 by changing the saturation by 10% instead.




 88.3835, 0.4009,  
0.5173

 88.3835, 0.4009,  
0.5173


522.7583, 0.3718,  
0.4371

 66.6407, 0.4040,  
0.5323


 145.0910, 0.3936,  
0.4919

 48.7927, 0.4061,  
0.5490


 180.8244, 0.3900,  
0.4813


 34.4551, 0.4062,  
0.5672


 221.9902, 0.3864,  
0.4718

 23.2434, 0.4040,  
0.5883

 268.9728, 0.3831,  
0.4633

 14.7733, 0.3936,  
0.6064

 322.1565, 0.3800,  
0.4558

 8.6605, 0.3746,  
0.6254

381.9257, 0.3771,


 4.5204, 0.3462,


0.4489


0.6538


448.6648, 0.3743,  
0.4427


 1.9687, 0.2995,  
0.7005

 0.5892, 0.0000,  
1.0000


 88.3835, 0.4009,  
0.5173


 88.3835, 0.4009,  
0.5173

 88.0518, 0.4006,  
0.5201

 88.9610, 0.3996,  
0.5102

 89.6604, 0.3958,  
0.4985

 90.5019, 0.3893,  
0.4824

 91.5011, 0.3803,  
0.4624

92.6715, 0.3694,  
0.4393

94.0252, 0.3571,  
0.4143

95.5729, 0.3439,  
0.3884

97.3248, 0.3305,  
0.3624

99.2902, 0.3171,  
0.3372

# Harmonies

## Analogous

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



88.3835, 0.4820, 0.4536



88.3835, 0.4009, 0.5173



88.3835, 0.3037, 0.5237

# Triad

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



88.3835, 0.4009, 0.5173



88.3835, 0.1390, 0.2231



88.3835, 0.4018, 0.2463

# Complementary

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



88.3835, 0.4009, 0.5173



8.1094, 0.1568, 0.0662

# 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.



88.3835, 0.2901, 0.1998



88.3835, 0.4009, 0.5173



88.3835, 0.1547, 0.1828

# Square

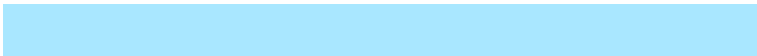
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.3835, 0.4009, 0.5173



88.3835, 0.1568, 0.3101



88.3835, 0.2040, 0.1773



88.3835, 0.4947, 0.3090



# Rectangle

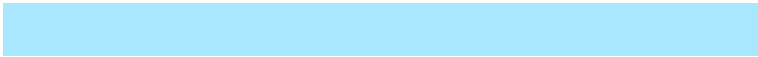
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.3835, 0.4009, 0.5173



88.3835, 0.2412, 0.4734



88.3835, 0.2040, 0.1773



88.3835, 0.3638, 0.2285

# Sweetspot

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



88.3847, 0.4009, 0.5173



94.8300, 0.3501, 0.4005



22.8681, 0.6221, 0.3377



20.1579, 0.3558, 0.4116



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.



88.3847, 0.4009, 0.5173



88.0518, 0.4006, 0.5201



75.0155, 0.3265, 0.5755



20.9882, 0.3253, 0.3526



46.0481, 0.4010, 0.5198



4.5102, 0.4032, 0.5181



# Inverse Universe

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



8.1094, 0.1568, 0.0662



7.4499, 0.1528, 0.0616



15.0690, 0.2278, 0.1050



17.4690, 0.2995, 0.3045



3.9221, 0.1535, 0.0619

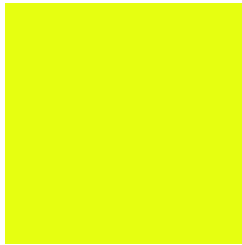


0.4105, 0.1603, 0.0657



# Previews

## White Background



This preview shows how the Yxy color 88.3835, 0.4009, 0.5173 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

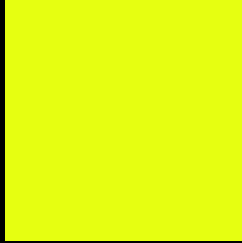
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.3835, 0.4009, 0.5173 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 88.3835, 0.4009, 0.5173**

## Background



This preview shows how black text looks on a background with the Yxy color 88.3835, 0.4009, 0.5173.

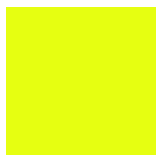


This preview shows how white text looks on a background with the Yxy color 88.3835, 0.4009, 0.5173.

# 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



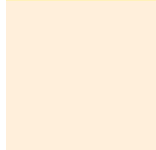
### Original Color

88.3835, 0.4009, 0.5173



### Protanopia

87.7158, 0.3571, 0.3841



### Deuteranopia

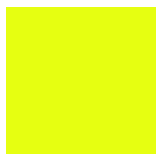
88.1075, 0.3361, 0.3489



## Tritanopia

87.7448, 0.3089, 0.3114

# Trichromacy



## Original Color

88.3835, 0.4009, 0.5173



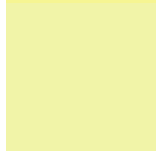
## Protanomaly

86.9850, 0.3851, 0.4486



## Deuteranomaly

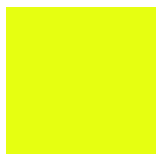
86.9730, 0.3740, 0.4289



## Tritanomaly

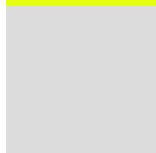
86.2293, 0.3577, 0.4075

# Monochromacy



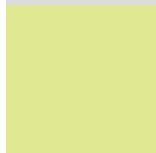
## Original Color

88.3835, 0.4009, 0.5173



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

76.2004, 0.3620, 0.4239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.3835, 0.4009, 0.5173 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(230, 255, 17)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 17)  
}
```

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(230, 255, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 17) }
```

## Border

The CSS property to change the border of an element to Yxy 88.3835, 0.4009, 0.5173 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(230, 255, 17) }
```

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

```
.border{ border-color:rgb(230, 255, 17) }
```

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

Here you see how a box with a 4 pixel rgb(230, 255, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 17);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
17) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.3835, 0.4009, 0.5173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 17) }
```

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

```
.background{ background-color: rgb(230,  
255, 17) }
```

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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