

# Converting Colors

$Yxy(88.8980, 0.3986, 0.5092)$

Have a look what the booklet for  
Yxy(88.8980, 0.3986, 0.5092)  
contains.

<b>Yxy(88.8731, 0.3985, 0.5094)</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(88.8731, 0.3985, 0.5094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8FF2E
RGB	232, 255, 46
RGB Percent	91%, 100%, 18%
CMY	0.0903, 0.0000, 0.8198
CMYK	0.09, 0.00, 0.82, 0.00
HSL	67°, 100%, 59%
HSV	67°, 82%, 100%
XYZ	69.5248, 88.8731, 16.0683
YIQ	224.2970, 53.3810, -69.8750

# Conversions

## Conversions Part 2

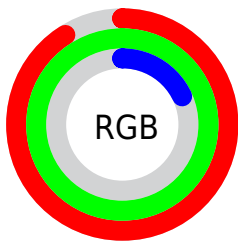
Format	Color
R <sub>Y</sub> B	46, 255, 69
Decimal	15269678
CIE Lab	95.53, -30.21, 86.60
CIE LCh	96, 91.717, 109.233
Yxy	88.8731, 0.3985, 0.5094
Android (android.graphics.Color)	4293459758 (0xFFE8FF2E)
YUV	224.2970, -87.9004, 6.7555
Hunter-Lab	94.2725, -33.3354, 55.8851

# Details

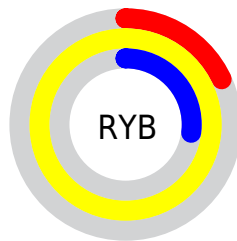
The Yxy color **88.8731, 0.3985, 0.5094** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.4344, 0.1686, 0.0819**, and the grayscale version is **75.3673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **49.1588, 0.3963, 0.5236** is the 20% darker color. If you saturate the color by 10%, you get **88.2573, 0.4000, 0.5172**, and if you desaturate by 10%, it is **89.6059, 0.3944, 0.4970**.

# Distribution



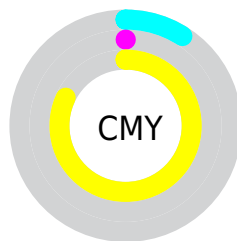
- Red (91%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (27%)



- Cyan (9%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)




- Cyan (9%)
- Magenta (0%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8731, 0.3985, 0.5094 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 88.8731, 0.3985, 0.5094 by changing the saturation by 10% instead.




 88.8731, 0.3985,  
0.5094


 88.8731, 0.3985,  
0.5094


524.3582, 0.3691,  
0.4319


 67.0464, 0.4021,  
0.5243


 145.7721, 0.3908,  
0.4846


 49.1223, 0.4049,  
0.5410


 181.6131, 0.3871,  
0.4743


 34.7165, 0.4061,  
0.5595


 222.8944, 0.3835,  
0.4651

 23.4446, 0.4044,  
0.5798

 270.0004, 0.3802,  
0.4570

 14.9221, 0.3980,  
0.6020

 323.3153, 0.3771,  
0.4497

 8.7648, 0.3800,  
0.6200


383.2237, 0.3743,


 4.5881, 0.3531,


0.4431


0.6469


450.1099, 0.3716,  
0.4372


 2.0077, 0.3089,  
0.6911

 0.6119, 0.0000,  
1.0000


 88.8731, 0.3985,  
0.5094


 88.8731, 0.3985,  
0.5094


 88.2573, 0.4000,  
0.5172

 89.6059, 0.3944,  
0.4970

 87.8367, 0.3997,  
0.5208

 90.4886, 0.3876,  
0.4802

 91.5317, 0.3785,  
0.4596

 92.7484, 0.3674,  
0.4361

■ 94.1506, 0.3550,  
0.4109

■ 95.7490, 0.3419,  
0.3848

■ 97.5537, 0.3285,  
0.3589

■ 99.5737, 0.3153,  
0.3338

■ 100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



88.8731, 0.4757, 0.4506



88.8731, 0.3985, 0.5094



88.8731, 0.3051, 0.5127

# Triad

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



88.8731, 0.3985, 0.5094



88.8731, 0.1454, 0.2281



88.8731, 0.3980, 0.2501

# Complementary

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



88.8731, 0.3985, 0.5094



10.4344, 0.1686, 0.0819

# 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.



88.8731, 0.2919, 0.2049



88.8731, 0.3985, 0.5094



88.8731, 0.1608, 0.1886

# Square

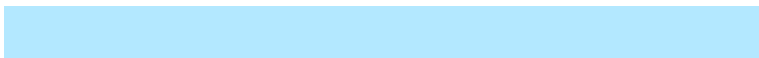
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.8731, 0.3985, 0.5094



88.8731, 0.1631, 0.3115



88.8731, 0.2089, 0.1830



88.8731, 0.4860, 0.3111



# Rectangle

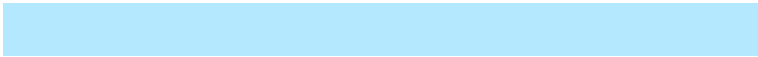
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8731, 0.3985, 0.5094



88.8731, 0.2450, 0.4648



88.8731, 0.2089, 0.1830



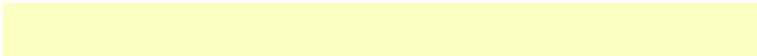
88.8731, 0.3621, 0.2328

# Sweetspot

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



88.8683, 0.3985, 0.5094



95.2451, 0.3459, 0.3927



25.4540, 0.5880, 0.3422



20.2658, 0.3505, 0.4019



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.



88.8683, 0.3985, 0.5094



87.9393, 0.3998, 0.5200



76.4288, 0.3319, 0.5589



20.9832, 0.3252, 0.3526



45.9374, 0.4000, 0.5206



4.5005, 0.4024, 0.5187



# Inverse Universe

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



10.4344, 0.1686, 0.0819



7.6479, 0.1541, 0.0630



17.8708, 0.2394, 0.1192



17.4735, 0.2996, 0.3045



3.9328, 0.1538, 0.0621

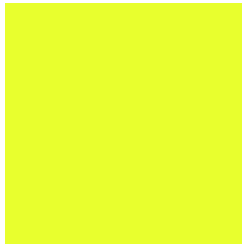


0.4126, 0.1608, 0.0659



# Previews

## White Background



This preview shows how the Yxy color 88.8731, 0.3985, 0.5094 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

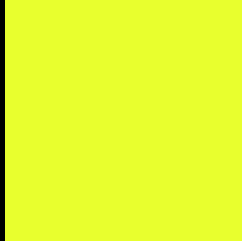
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.8731, 0.3985, 0.5094 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 88.8731, 0.3985, 0.5094**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8731, 0.3985, 0.5094.

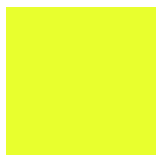


This preview shows how white text looks on a background with the Yxy color 88.8731, 0.3985, 0.5094.

# 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



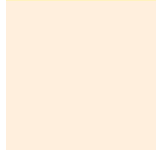
### Original Color

88.8731, 0.3985, 0.5094



### Protanopia

88.4820, 0.3543, 0.3810



### Deuteranopia

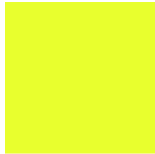
88.2135, 0.3348, 0.3469



## Tritanopia

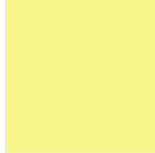
88.6931, 0.3102, 0.3125

# Trichromacy



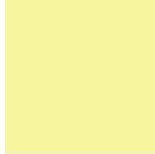
## Original Color

88.8731, 0.3985, 0.5094



## Protanomaly

88.1307, 0.3784, 0.4376



## Deuteranomaly

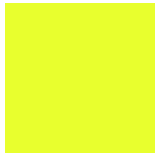
87.5133, 0.3683, 0.4181



## Tritanomaly

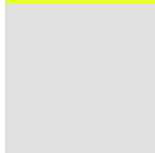
87.0107, 0.3523, 0.3958

# Monochromacy



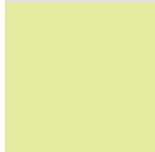
## Original Color

88.8731, 0.3985, 0.5094



## Achromatopsia

74.5404, 0.3127, 0.3290



## Achromatomaly

78.2508, 0.3556, 0.4113

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8731, 0.3985, 0.5094 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(232, 255, 46)` looks like.

```
.text, #text, p{  
    color:rgb(232, 255, 46)  
}
```

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(232, 255, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 255, 46) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8731, 0.3985, 0.5094 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(232, 255, 46) }
```

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

```
.border{ border-color:rgb(232, 255, 46) }
```

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

Here you see how a box with a 4 pixel rgb(232, 255, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 255, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 255, 46);  
box-shadow:4px 4px 4px 4px rgb(232, 255,  
46) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8731, 0.3985, 0.5094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 255, 46) }
```

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

```
.background{ background-color: rgb(232,  
255, 46) }
```

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