

# Converting Colors

Yxy(88.5286, 0.4082, 0.5081)

Have a look what the booklet for  
Yxy(88.5286, 0.4082, 0.5081)  
contains.

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# Color

**Yxy(88.2398, 0.4085, 0.5079)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FC1E
RGB	240, 252, 30
RGB Percent	94%, 99%, 12%
CMY	0.0590, 0.0117, 0.8820
CMYK	0.05, 0.00, 0.88, 0.01
HSL	63°, 97%, 55%
HSV	63°, 88%, 99%
XYZ	70.9706, 88.2398, 14.5242
YIQ	223.1040, 64.1100, -71.5860

# Conversions

## Conversions Part 2

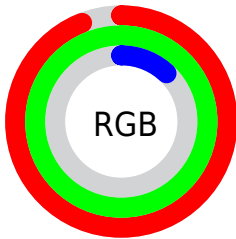
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	30, 252, 42
Decimal	15793182
CIE Lab	95.26, -25.97, 89.64
CIE LCh	95, 93.326, 106.155
Yxy	88.2398, 0.4085, 0.5079
Android (android.graphics.Color)	4293983262 (0xFFFF0FC1E)
YUV	223.1040, -95.2003, 14.8178
Hunter-Lab	93.9360, -29.5277, 56.5879

# Details

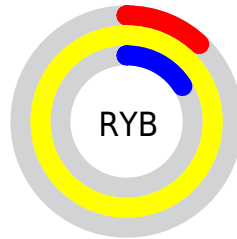
The Yxy color **88.2398, 0.4085, 0.5079** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **8.4574, 0.1581, 0.0704**, and the grayscale version is **74.5307, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7795, 0.3969, 0.4682**, and **49.0636, 0.4041, 0.5173** is the 20% darker color. If you saturate the color by 10%, you get **87.9217, 0.4096, 0.5123**, and if you desaturate by 10%, it is **88.6688, 0.4050, 0.4994**.

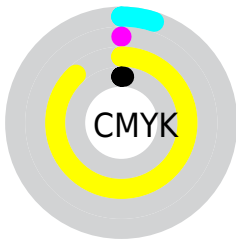
# Distribution



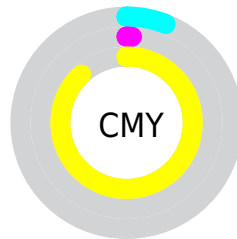
- Red (94%)
- Green (99%)
- Blue (12%)



- Red (12%)
- Yellow (99%)
- Blue (16%)



- Cyan (5%)
- Magenta (0%)
- Yellow (88%)
- Black (1%)




- Cyan (6%)
- Magenta (1%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.2398, 0.4085, 0.5079 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 88.2398, 0.4085, 0.5079 by changing the saturation by 10% instead.




 88.2398, 0.4085,  
0.5079


 88.2398, 0.4085,  
0.5079


522.2882, 0.3753,  
0.4326

 66.5217, 0.4127,  
0.5219

 144.8910, 0.3997,  
0.4842


 48.6960, 0.4161,  
0.5373


 180.5928, 0.3955,  
0.4742


 34.3784, 0.4179,  
0.5539


 221.7247, 0.3915,  
0.4653

 23.1844, 0.4176,  
0.5727

 268.6709, 0.3878,  
0.4573

 14.7298, 0.4106,  
0.5894

 321.8160, 0.3843,  
0.4502

 8.6299, 0.3951,  
0.6049

381.5444, 0.3811,


 4.5006, 0.3719,


0.4437


0.6281


448.2403, 0.3781,  
0.4379


 1.9574, 0.3334,  
0.6666


 0.5825, 0.0000,  
1.0000


 88.2398, 0.4085,  
0.5079


 88.2398, 0.4085,  
0.5079

 87.9217, 0.4096,  
0.5123

 88.6688, 0.4050,  
0.4994

 87.8650, 0.4097,  
0.5129


 89.2189, 0.3988,  
0.4864


 89.9108, 0.3900,  
0.4692


 90.7583, 0.3791,  
0.4485

 91.7738, 0.3664,  
0.4250

 92.9683, 0.3526,  
0.4000

 94.3518, 0.3383,  
0.3743

 95.9337, 0.3240,  
0.3489

 97.5998, 0.3112,  
0.3261

# Harmonies

## Analogous

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



88.2398, 0.4844, 0.4445



88.2398, 0.4085, 0.5079



88.2398, 0.3143, 0.5205

# Triad

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



88.2398, 0.4085, 0.5079



88.2398, 0.1432, 0.2326



88.2398, 0.3884, 0.2432

# Complementary

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



88.2398, 0.4085, 0.5079



8.4574, 0.1581, 0.0704

# 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.



88.2398, 0.2812, 0.1995



88.2398, 0.4085, 0.5079



88.2398, 0.1555, 0.1887

# Square

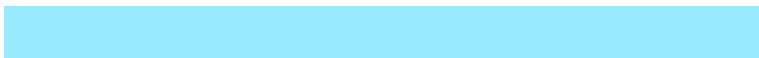
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.2398, 0.4085, 0.5079



88.2398, 0.1646, 0.3221



88.2398, 0.2005, 0.1801



88.2398, 0.4826, 0.3037



# Rectangle

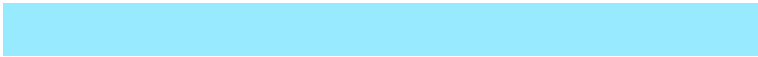
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.2398, 0.4085, 0.5079



88.2398, 0.2523, 0.4779



88.2398, 0.2005, 0.1801



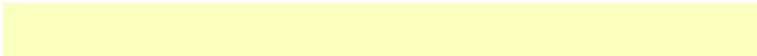
88.2398, 0.3515, 0.2263

# Sweetspot

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



88.2439, 0.4085, 0.5079



95.7643, 0.3497, 0.3948



22.3912, 0.6151, 0.3344



20.3989, 0.3546, 0.4036



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.



88.2439, 0.4085, 0.5079



90.2464, 0.4097, 0.5129



74.4679, 0.3352, 0.5642



20.1399, 0.3260, 0.3525



45.7843, 0.4099, 0.5128



4.2547, 0.4111, 0.5118



# Inverse Universe

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



8.4574, 0.1581, 0.0704



7.3122, 0.1512, 0.0606



14.6518, 0.2232, 0.1054



16.6880, 0.2987, 0.3045



3.7273, 0.1516, 0.0609

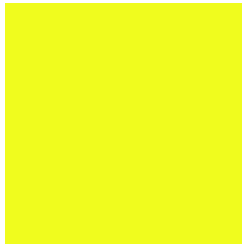


0.3605, 0.1556, 0.0631



# Previews

## White Background



This preview shows how the Yxy color 88.2398, 0.4085, 0.5079 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

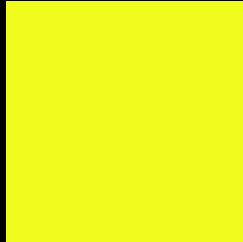
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.2398, 0.4085, 0.5079 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 88.2398, 0.4085, 0.5079**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.2398, 0.4085, 0.5079.



This preview shows how white text looks on a background with the Yxy color 88.2398, 0.4085, 0.5079.

# 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



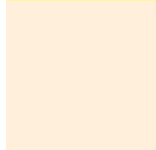
### Original Color

88.2398, 0.4085, 0.5079



### Protanopia

87.7158, 0.3571, 0.3841



### Deuteranopia

88.1075, 0.3361, 0.3489



## Tritanopia

87.6417, 0.3161, 0.3135

# Trichromacy



## Original Color

88.2398, 0.4085, 0.5079



## Protanomaly

87.2138, 0.3863, 0.4431



## Deuteranomaly

87.2274, 0.3749, 0.4232



## Tritanomaly

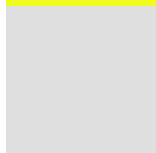
86.1749, 0.3631, 0.4000

# Monochromacy



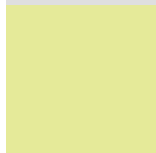
## Original Color

88.2398, 0.4085, 0.5079



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.8036, 0.3611, 0.4163

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.2398, 0.4085, 0.5079 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(240, 252, 30)` looks like.

```
.text, #text, p{  
    color:rgb(240, 252, 30)  
}
```

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(240, 252, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 252, 30) }
```

## Border

The CSS property to change the border of an element to Yxy 88.2398, 0.4085, 0.5079 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(240, 252, 30) }
```

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

```
.border{ border-color:rgb(240, 252, 30) }
```

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

Here you see how a box with a 4 pixel rgb(240, 252, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 252, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 252, 30);  
box-shadow:4px 4px 4px 4px rgb(240, 252,  
30) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.2398, 0.4085, 0.5079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 252, 30) }
```

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

```
.background{ background-color: rgb(240,  
252, 30) }
```

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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