

# Converting Colors

Yxy(85.6028, 0.4133, 0.5100)

Have a look what the booklet for  
Yxy(85.6028, 0.4133, 0.5100)  
contains.

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# **Color**

**Yxy(85.6601, 0.4136, 0.5098)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F800
RGB	240, 248, 0
RGB Percent	94%, 97%, 0%
CMY	0.0589, 0.0274, 0.9999
CMYK	0.03, 0.00, 1.00, 0.03
HSL	62°, 100%, 49%
HSV	62°, 100%, 97%
XYZ	69.4959, 85.6601, 12.8709
YIQ	217.3360, 74.8400, -78.8240

# Conversions

## Conversions Part 2

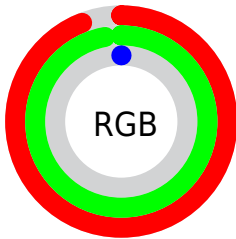
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 248, 8</a>
Decimal	<a href="#">15792128</a>
CIELab	<a href="#">94.17, -24.41, 91.79</a>
CIELCh	<a href="#">94, 94.978, 104.893</a>
Yxy	<a href="#">85.6601, 0.4136, 0.5098</a>
Android (android.graphics.Color)	<a href="#">4293982208 (0xFFFF0F800)</a>
YUV	<a href="#">217.3360, -107.1466, 19.8763</a>
Hunter-Lab	<a href="#">92.5527, -27.9354, 56.5417</a>

# Details

The Yxy color **85.6601, 0.4136, 0.5098** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **6.8308, 0.1507, 0.0604**, and the grayscale version is **70.3446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **47.2830, 0.4075, 0.5146** is the 20% darker color. If you saturate the color by 10%, you get **85.6639, 0.4136, 0.5098**, and if you desaturate by 10%, it is **85.8745, 0.4124, 0.5063**.

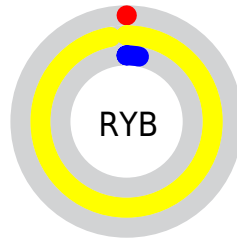
# Distribution



Red (94%)

Green (97%)

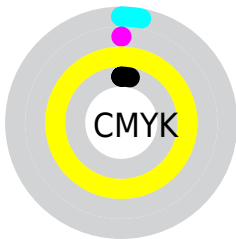
Blue (0%)



Red (0%)

Yellow (97%)

Blue (3%)

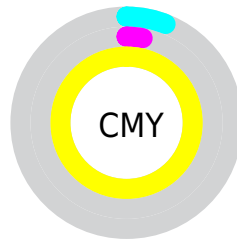


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (6%)

Magenta (3%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6601, 0.4136, 0.5098 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 85.6601, 0.4136, 0.5098 by changing the saturation by 10% instead.





 85.6601, 0.4136,  
0.5098

 85.6601, 0.4136,  
0.5098

513.8098, 0.3787,  
0.4343


 64.3869, 0.4179,  
0.5235


 141.2951, 0.4044,  
0.4863


 46.9641, 0.4213,  
0.5384


 176.4257, 0.4000,  
0.4763

 33.0073, 0.4229,  
0.5543


 216.9442, 0.3958,  
0.4673


 22.1320, 0.4235,  
0.5736

 263.2351, 0.3919,  
0.4593

 13.9540, 0.4140,  
0.5860

 315.6827, 0.3882,  
0.4521

 8.0886, 0.3989,  
0.6011


 374.6714, 0.3848,


 4.1517, 0.3760,


0.4456


0.6240

440.5856, 0.3816,  
0.4396

 1.7588, 0.3375,  
0.6625


 0.4613, 0.0000,  
1.0000


 85.6601, 0.4136,  
0.5098


 85.6601, 0.4136,  
0.5098

 85.6639, 0.4136,  
0.5098

 85.8745, 0.4124,  
0.5063

 86.1738, 0.4089,  
0.4991

 86.5893, 0.4029,  
0.4874

 87.1372, 0.3942,  
0.4714

■ 87.8316, 0.3832,  
0.4517

■ 88.6843, 0.3704,  
0.4290

■ 89.7063, 0.3564,  
0.4045

■ 90.9073, 0.3418,  
0.3791

■ 92.2966, 0.3271,  
0.3537

# Harmonies

## Analogous

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



85.6601, 0.4903, 0.4429



85.6601, 0.4136, 0.5098



85.6601, 0.3177, 0.5276

# Triad

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



85.6601, 0.4136, 0.5098



85.6601, 0.1399, 0.2327



85.6601, 0.3856, 0.2389

# Complementary

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



85.6601, 0.4136, 0.5098



6.8308, 0.1507, 0.0604

# 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.



85.6601, 0.2761, 0.1954



85.6601, 0.4136, 0.5098



85.6601, 0.1510, 0.1866

# Square

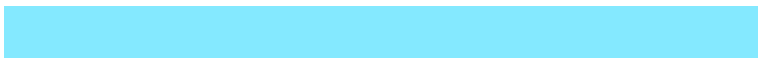
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6601, 0.4136, 0.5098



85.6601, 0.1629, 0.3264



85.6601, 0.1953, 0.1768



85.6601, 0.4842, 0.2998



# Rectangle

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



85.6601, 0.4136, 0.5098



85.6601, 0.2541, 0.4868



85.6601, 0.1953, 0.1768



85.6601, 0.3476, 0.2220

# Sweetspot

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



85.6641, 0.4136, 0.5098



95.5470, 0.3565, 0.4047



20.0494, 0.6392, 0.3306



20.3479, 0.3625, 0.4152



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.



85.6641, 0.4136, 0.5098



91.2453, 0.4136, 0.5098



71.1285, 0.3331, 0.5737



20.1604, 0.3264, 0.3525



46.2822, 0.4137, 0.5097



4.2953, 0.4144, 0.5092



# Inverse Universe

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



6.8308, 0.1507, 0.0604



7.2734, 0.1507, 0.0604



11.3798, 0.2039, 0.0897



16.6698, 0.2984, 0.3045



3.7006, 0.1510, 0.0605

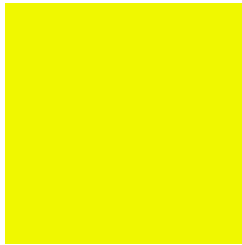


0.3519, 0.1534, 0.0618



# Previews

## White Background



This preview shows how the Yxy color 85.6601, 0.4136, 0.5098 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

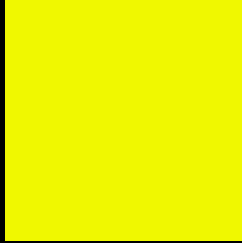
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.6601, 0.4136, 0.5098 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 85.6601, 0.4136, 0.5098**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.6601, 0.4136, 0.5098.

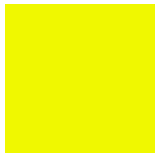


This preview shows how white text looks on a background with the Yxy color 85.6601, 0.4136, 0.5098.

# 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



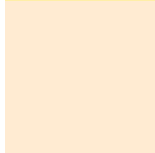
**Original Color**

85.6601, 0.4136, 0.5098



**Protanopia**

85.1991, 0.3702, 0.4003



**Deuteranopia**

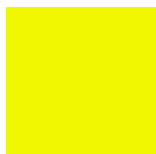
85.3298, 0.3427, 0.3541



## Tritanopia

85.1272, 0.3189, 0.3134

# Trichromacy



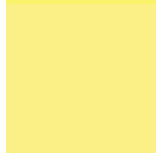
## Original Color

85.6601, 0.4136, 0.5098



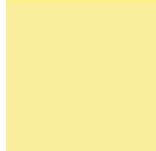
## Protanomaly

84.8689, 0.3993, 0.4593



## Deuteranomaly

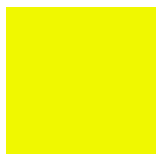
84.3654, 0.3857, 0.4345



## Tritanomaly

83.3267, 0.3732, 0.4103

# Monochromacy



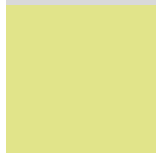
## Original Color

85.6601, 0.4136, 0.5098



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

73.3293, 0.3694, 0.4274

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.6601, 0.4136, 0.5098 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, 248, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 248, 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(240, 248, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 248, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 85.6601, 0.4136, 0.5098 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, 248, 0) }
```

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

```
.border{ border-color:rgb(240, 248, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 248, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 248, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 248,  
box-shadow:4px 4px 4px 4px rgb(240, 248,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.6601, 0.4136, 0.5098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 248, 0) }
```

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

```
.background{ background-color: rgb(240,  
248, 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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