

# Converting Colors

Yxy(87.4903, 0.3836, 0.4826)

Have a look what the booklet for  
Yxy(87.4903, 0.3836, 0.4826)  
contains.

<b>Yxy(87.2883, 0.3841, 0.4820)</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(87.2883, 0.3841, 0.4820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6FC60
RGB	230, 252, 96
RGB Percent	90%, 99%, 38%
CMY	0.0980, 0.0118, 0.6235
CMYK	0.09, 0.00, 0.62, 0.01
HSL	68°, 96%, 68%
HSV	68°, 62%, 99%
XYZ	69.5590, 87.2883, 24.2488
YIQ	227.6380, 36.9640, -53.1800

# Conversions

## Conversions Part 2

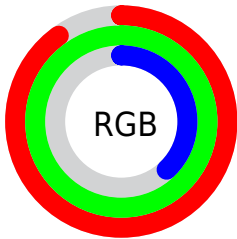
Format	Color
R <sub>Y</sub> B	96, 252, 118
Decimal	15137888
CIE Lab	94.86, -27.26, 69.91
CIE LCh	95, 75.038, 111.305
Yxy	87.2883, 0.3841, 0.4820
Android (android.graphics.Color)	4293327968 (0xFFE6FC60)
YUV	227.6380, -64.8975, 2.0715
Hunter-Lab	93.4282, -30.6029, 50.0114

# Details

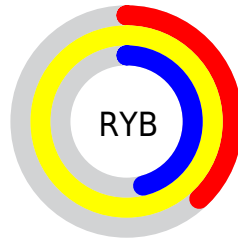
The Yxy color **87.2883, 0.3841, 0.4820** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **19.2461, 0.2047, 0.1348**, and the grayscale version is **77.7721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0470, 0.3734, 0.4293**, and **47.8036, 0.3926, 0.5128** is the 20% darker color. If you saturate the color by 10%, you get **86.3184, 0.3903, 0.4995**, and if you desaturate by 10%, it is **88.4268, 0.3755, 0.4608**.

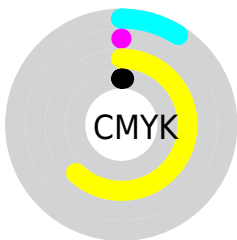
# Distribution



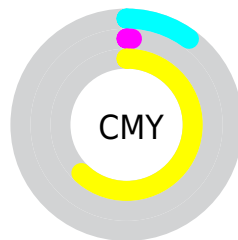
- Red (90%)
- Green (99%)
- Blue (38%)



- Red (38%)
- Yellow (99%)
- Blue (46%)



- Cyan (9%)
- Magenta (0%)
- Yellow (62%)
- Black (1%)




- Cyan (10%)
- Magenta (1%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2883, 0.3841, 0.4820 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 87.2883, 0.3841, 0.4820 by changing the saturation by 10% instead.





 87.2883, 0.3841,  
0.4820

 87.2883, 0.3841,  
0.4820


519.1697, 0.3572,  
0.4137

 65.7338, 0.3883,  
0.4962


 143.5659, 0.3763,  
0.4593


 48.0564, 0.3925,  
0.5127


 179.0578, 0.3728,  
0.4502

 33.8715, 0.3961,  
0.5321


 219.9643, 0.3696,  
0.4422

 22.7949, 0.3982,  
0.5546

 266.6699, 0.3667,  
0.4351

 14.4421, 0.3976,  
0.5814

319.5588, 0.3640,  
0.4288

 8.4288, 0.3895,  
0.6105


379.0154, 0.3615,


 4.3705, 0.3646,


0.4233


0.6354


445.4243, 0.3593,  
0.4182


 1.8829, 0.3232,  
0.6768

 0.5381, 0.0000,  
1.0000


 87.2883, 0.3841,  
0.4820


 87.2883, 0.3841,  
0.4820


 86.3184, 0.3903,  
0.4995


 88.4268, 0.3755,  
0.4608


 85.4903, 0.3940,  
0.5126


 89.7350, 0.3650,  
0.4368


 84.7901, 0.3949,  
0.5211

 91.2283, 0.3532,  
0.4111


 84.2950, 0.3942,  
0.5252

 92.9172, 0.3406,  
0.3848

 94.8114, 0.3278,  
0.3587

 96.9199, 0.3151,  
0.3336

 98.0786, 0.3128,  
0.3262

 98.1019, 0.3128,  
0.3262

# Harmonies

## Analogous

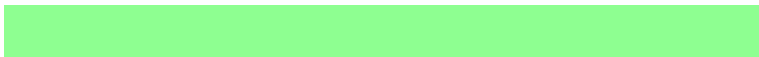
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2883, 0.4494, 0.4407



87.2883, 0.3841, 0.4820



87.2883, 0.3043, 0.4740

# Triad

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



87.2883, 0.3841, 0.4820



87.2883, 0.1690, 0.2424



87.2883, 0.3897, 0.2660

# Complementary

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



87.2883, 0.3841, 0.4820



19.2461, 0.2047, 0.1348

# 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.



87.2883, 0.3023, 0.2248



87.2883, 0.3841, 0.4820



87.2883, 0.1844, 0.2085

# Square

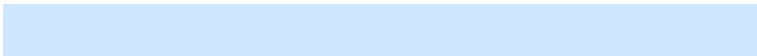
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.2883, 0.3841, 0.4820



87.2883, 0.1839, 0.3110



87.2883, 0.2293, 0.2042



87.2883, 0.4592, 0.3207



# Rectangle

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



87.2883, 0.3841, 0.4820



87.2883, 0.2534, 0.4322



87.2883, 0.2293, 0.2042



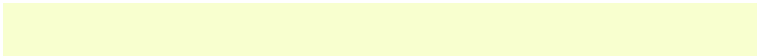
87.2883, 0.3607, 0.2503

# Sweetspot

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



87.2923, 0.3841, 0.4820



95.9909, 0.3369, 0.3772



34.2177, 0.4963, 0.3494



20.4315, 0.3406, 0.3847



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.



87.2923, 0.3841, 0.4820



88.4774, 0.3913, 0.5027



77.2587, 0.3324, 0.5127



20.0595, 0.3247, 0.3526



43.9587, 0.3947, 0.5248



4.1043, 0.3978, 0.5224



# Inverse Universe

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



19.2461, 0.2047, 0.1348



13.4732, 0.1831, 0.1006



26.9711, 0.2661, 0.1623



16.7603, 0.3001, 0.3046



3.8886, 0.1555, 0.0630

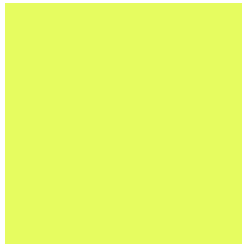


0.3947, 0.1642, 0.0678



# Previews

## White Background



This preview shows how the Yxy color 87.2883, 0.3841, 0.4820 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 87.2883, 0.3841, 0.4820 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 87.2883, 0.3841, 0.4820**

## Background



This preview shows how black text looks on a background with the Yxy color 87.2883, 0.3841, 0.4820.

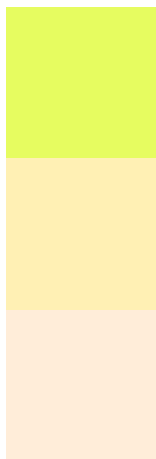


This preview shows how white text looks on a background with the Yxy color 87.2883, 0.3841, 0.4820.

# 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

87.2883, 0.3841, 0.4820

### Protanopia

86.8755, 0.3613, 0.3892

### Deuteranopia

86.8381, 0.3377, 0.3489



## Tritanopia

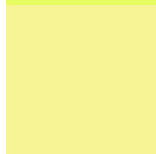
86.9851, 0.3083, 0.3104

# Trichromacy



## Original Color

87.2883, 0.3841, 0.4820



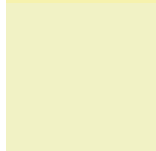
## Protanomaly

86.4641, 0.3726, 0.4251



## Deuteranomaly

86.1142, 0.3587, 0.3996



## Tritanomaly

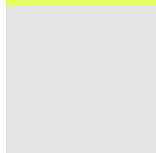
86.2363, 0.3400, 0.3754

# Monochromacy



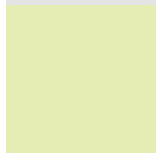
## Original Color

87.2883, 0.3841, 0.4820



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

80.5217, 0.3433, 0.3902

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.2883, 0.3841, 0.4820 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, 252, 96)` looks like.

```
.text, #text, p{  
    color:rgb(230, 252, 96)  
}
```

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, 252, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 252, 96) }
```

## Border

The CSS property to change the border of an element to Yxy 87.2883, 0.3841, 0.4820 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, 252, 96) }
```

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

```
.border{ border-color:rgb(230, 252, 96) }
```

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

Here you see how a box with a 4 pixel rgb(230, 252, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 252, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 252, 96);  
box-shadow:4px 4px 4px 4px rgb(230, 252,  
96) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.2883, 0.3841, 0.4820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 252, 96) }
```

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

```
.background{ background-color: rgb(230,  
252, 96) }
```

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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