

Converting Colors

$Yxy(88.3053, 0.3785, 0.4819)$

Have a look what the booklet for
Yxy(88.3053, 0.3785, 0.4819)
contains.

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Color

Yxy(87.9920, 0.3783, 0.4814)

Conversions

Conversions Part 1

Format	Color
Hex	E2FE65
RGB	226, 254, 101
RGB Percent	89%, 100%, 40%
CMY	0.1138, 0.0039, 0.6040
CMYK	0.11, 0.00, 0.60, 0.00
HSL	71°, 99%, 70%
HSV	71°, 60%, 100%
XYZ	69.1470, 87.9920, 25.6445
YIQ	228.1860, 32.4250, -53.5190

Conversions

Conversions Part 2

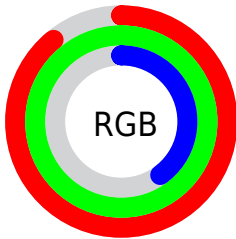
Format	Color
RYB	101, 254, 129
Decimal	14876261
CIELab	95.16, -29.44, 68.14
CIELCh	95, 74.225, 113.364
Yxy	87.9920, 0.3783, 0.4814
Android (android.graphics.Color)	4293066341 (0xFFE2FE65)
YUV	228.1860, -62.7027, -1.9171
Hunter-Lab	93.8041, -32.5770, 49.4539

Details

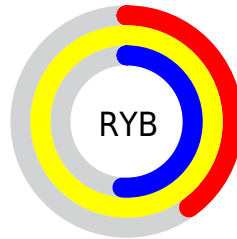
The Yxy color **87.9920, 0.3783, 0.4814** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **21.1283, 0.2122, 0.1419**, and the grayscale version is **78.1738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2143, 0.3706, 0.4247**, and **48.4245, 0.3863, 0.5121** is the 20% darker color. If you saturate the color by 10%, you get **86.8305, 0.3842, 0.5005**, and if you desaturate by 10%, it is **89.3356, 0.3701, 0.4588**.

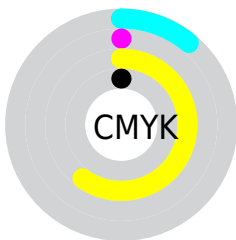
Distribution



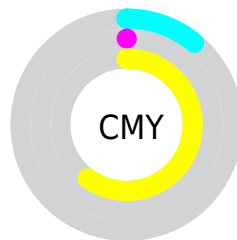
- Red (89%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (51%)



- Cyan (11%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9920, 0.3783, 0.4814 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 87.9920, 0.3783, 0.4814 by changing the saturation by 10% instead.


 87.9920, 0.3783,
0.4814


 87.9920, 0.3783,
0.4814


521.4770, 0.3538,
0.4129

 66.3164, 0.3821,
0.4958


 144.5460, 0.3712,
0.4585

 48.5293, 0.3858,
0.5127

 180.1933, 0.3680,
0.4493

 34.2463, 0.3890,
0.5327

 221.2665, 0.3651,
0.4413

 23.0828, 0.3906,
0.5562

 268.1502, 0.3625,
0.4342

 14.6547, 0.3890,
0.5839

321.2287, 0.3600,
0.4280

 8.5774, 0.3821,
0.6179

380.8864, 0.3578,

 4.4666, 0.3555,

0.4224

0.6445

447.5077, 0.3557,
0.4174

■ 1.9378, 0.3115,
0.6885

■ 0.5710, 0.0000,
1.0000

■ 87.9920, 0.3783,
0.4814

■ 87.9920, 0.3783,
0.4814

■ 86.8305, 0.3842,
0.5005

■ 89.3356, 0.3701,
0.4588

■ 85.8245, 0.3875,
0.5153

■ 90.8625, 0.3602,
0.4337


■ 84.9600, 0.3881,
0.5253


■ 92.5883, 0.3490,
0.4074

■ 84.2256, 0.3867,
0.5312

■ 94.5235, 0.3371,
0.3807

 96.6781, 0.3250,
0.3546

 99.0611, 0.3130,
0.3296

 99.3728, 0.3128,
0.3281

Harmonies

Analogous

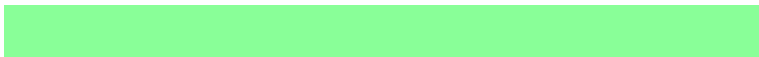
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9920, 0.4443, 0.4432



87.9920, 0.3783, 0.4814



87.9920, 0.2992, 0.4688

Triad

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



87.9920, 0.3783, 0.4814



87.9920, 0.1707, 0.2402



87.9920, 0.3945, 0.2701

Complementary

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



87.9920, 0.3783, 0.4814



21.1283, 0.2122, 0.1419

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.



87.9920, 0.3082, 0.2282



87.9920, 0.3783, 0.4814



87.9920, 0.1879, 0.2087

Square

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



87.9920, 0.3783, 0.4814



87.9920, 0.1834, 0.3057



87.9920, 0.2344, 0.2062



87.9920, 0.4604, 0.3250

Rectangle

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



87.9920, 0.3783, 0.4814



87.9920, 0.2495, 0.4251



87.9920, 0.2344, 0.2062



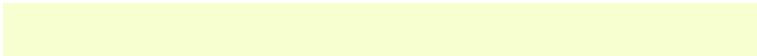
87.9920, 0.3661, 0.2543

Sweetspot

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



87.9960, 0.3783, 0.4814



95.8279, 0.3344, 0.3748



37.0583, 0.4852, 0.3543



20.3816, 0.3379, 0.3825



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.



87.9960, 0.3783, 0.4814



87.4081, 0.3850, 0.5034



78.5064, 0.3294, 0.5097



20.9126, 0.3241, 0.3527



44.4590, 0.3872, 0.5308



4.3705, 0.3911, 0.5277

Inverse Universe

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



21.1283, 0.2122, 0.1419



14.7835, 0.1909, 0.1079



29.1564, 0.2723, 0.1683



17.5378, 0.3007, 0.3046



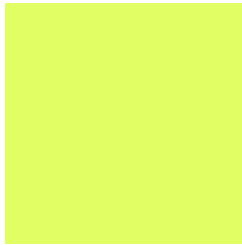
4.1307, 0.1583, 0.0646



0.4432, 0.1678, 0.0698

Previews

White Background



This preview shows how the Yxy color 87.9920, 0.3783, 0.4814 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 87.9920, 0.3783, 0.4814 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 87.9920, 0.3783, 0.4814

Background



This preview shows how black text looks on a background with the Yxy color 87.9920, 0.3783, 0.4814.

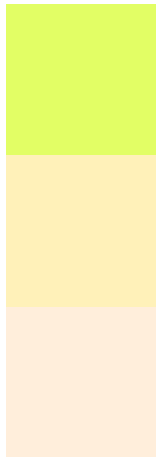


This preview shows how white text looks on a background with the Yxy color 87.9920, 0.3783, 0.4814.

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

87.9920, 0.3783, 0.4814

Protanopia

87.6734, 0.3578, 0.3851

Deuteranopia

87.5235, 0.3363, 0.3479



Tritanopia

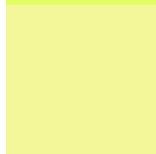
87.4238, 0.3057, 0.3122

Trichromacy



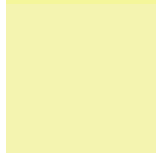
Original Color

87.9920, 0.3783, 0.4814



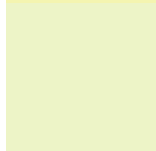
Protanomaly

87.4777, 0.3676, 0.4226



Deuteranomaly

87.0691, 0.3549, 0.3987



Tritanomaly

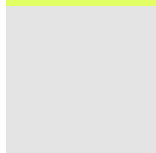
86.8294, 0.3357, 0.3757

Monochromacy



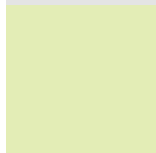
Original Color

87.9920, 0.3783, 0.4814



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.2767, 0.3406, 0.3883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9920, 0.3783, 0.4814 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(226, 254, 101)` looks like.

```
.text, #text, p{  
    color:rgb(226, 254, 101)  
}
```

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(226, 254, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 254, 101) }
```

Border

The CSS property to change the border of an element to Yxy 87.9920, 0.3783, 0.4814 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(226, 254, 101) }
```

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

```
.border{ border-color:rgb(226, 254, 101) }
```

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

Here you see how a box with a 4 pixel rgb(226, 254, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 254, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 254, 101);  
box-shadow:4px 4px 4px 4px rgb(226, 254,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9920, 0.3783, 0.4814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 254, 101) }
```

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

```
.background{ background-color: rgb(226,  
254, 101) }
```

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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