

Converting Colors

Yxy(86.9548, 0.3868, 0.4629)

Have a look what the booklet for
Yxy(86.9548, 0.3868, 0.4629)
contains.

Yxy(87.0054, 0.3869, 0.4626)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.0054, 0.3869, 0.4626)

Conversions

Conversions Part 1

Format	Color
Hex	F1F870
RGB	241, 248, 112
RGB Percent	95%, 97%, 44%
CMY	0.0549, 0.0274, 0.5605
CMYK	0.03, 0.00, 0.55, 0.03
HSL	63°, 91%, 71%
HSV	63°, 55%, 97%
XYZ	72.7678, 87.0054, 28.3059
YIQ	230.4030, 39.4840, -43.7800

Conversions

Conversions Part 2

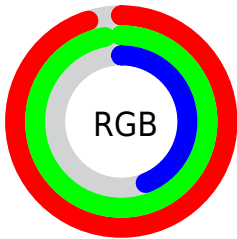
Format	Color
RYB	112, 248, 119
Decimal	15857776
CIELab	94.74, -19.92, 63.29
CIELCh	95, 66.349, 107.473
Yxy	87.0054, 0.3869, 0.4626
Android (android.graphics.Color)	4294047856 (0xFFFF1F870)
YUV	230.4030, -58.3727, 9.2936
Hunter-Lab	93.2767, -23.9812, 47.3014

Details

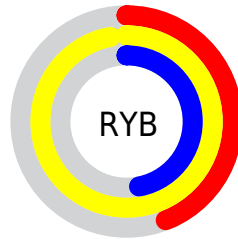
The Yxy color **87.0054, 0.3869, 0.4626** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **22.3086, 0.2106, 0.1547**, and the grayscale version is **79.8698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **47.9398, 0.3972, 0.4897** is the 20% darker color. If you saturate the color by 10%, you get **86.3060, 0.3965, 0.4810**, and if you desaturate by 10%, it is **87.8665, 0.3753, 0.4409**.

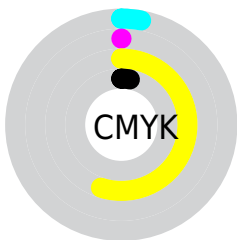
Distribution



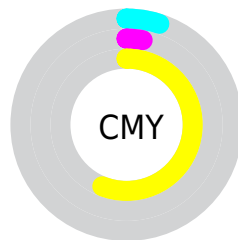
- Red (95%)
- Green (97%)
- Blue (44%)



- Red (44%)
- Yellow (97%)
- Blue (47%)



- Cyan (3%)
- Magenta (0%)
- Yellow (55%)
- Black (3%)



- Cyan (5%)
- Magenta (3%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0054, 0.3869, 0.4626 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 87.0054, 0.3869, 0.4626 by changing the saturation by 10% instead.

 87.0054, 0.3869,
0.4626


 87.0054, 0.3869,
0.4626


518.2406, 0.3573,
0.4032


 65.4997, 0.3922,
0.4750

 143.1717, 0.3778,
0.4428

 47.8664, 0.3978,
0.4896


 178.6010, 0.3739,
0.4349

 33.7211, 0.4036,
0.5068


 219.4403, 0.3704,
0.4279

 22.6794, 0.4090,
0.5271

266.0740, 0.3673,
0.4217

 14.3570, 0.4125,
0.5503

318.8865, 0.3644,
0.4163

 8.3694, 0.4165,
0.5835

378.2622, 0.3618,

 4.3322, 0.3984,

0.4114

0.6016

444.5854, 0.3595,
0.4071

■ 1.8611, 0.3683,
0.6317

■ 0.5248, 0.0232,
0.9768

■ 87.0054, 0.3869,
0.4626

■ 87.0054, 0.3869,
0.4626

■ 86.3060, 0.3965,
0.4810

■ 87.8665, 0.3753,
0.4409

■ 85.7435, 0.4036,
0.4954

■ 88.8887, 0.3621,
0.4169

■ 85.3070, 0.4080,
0.5053

■ 90.0863, 0.3481,
0.3916

■ 84.9782, 0.4099,
0.5108


■ 91.4687, 0.3337,
0.3660

 84.8361, 0.4102,
0.5125

 93.0447, 0.3194,
0.3408

 94.4385, 0.3090,
0.3222

 94.6742, 0.3098,
0.3223

 94.9115, 0.3106,
0.3223

 95.1504, 0.3115,
0.3223

Harmonies

Analogous

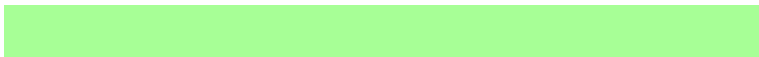
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0054, 0.4416, 0.4250



87.0054, 0.3869, 0.4626



87.0054, 0.3160, 0.4598

Triad

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



87.0054, 0.3869, 0.4626



87.0054, 0.1829, 0.2587



87.0054, 0.3716, 0.2669

Complementary

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



87.0054, 0.3869, 0.4626



22.3086, 0.2106, 0.1547

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.



87.0054, 0.2945, 0.2313



87.0054, 0.3869, 0.4626



87.0054, 0.1934, 0.2231

Square

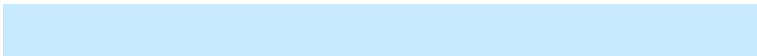
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0054, 0.3869, 0.4626



87.0054, 0.2010, 0.3240



87.0054, 0.2313, 0.2153



87.0054, 0.4365, 0.3161

Rectangle

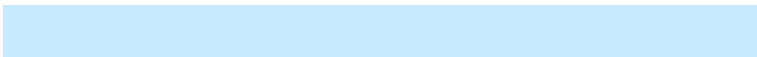
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.0054, 0.3869, 0.4626



87.0054, 0.2691, 0.4276



87.0054, 0.2313, 0.2153



87.0054, 0.3457, 0.2532

Sweetspot

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



87.0094, 0.3869, 0.4626



97.2480, 0.3354, 0.3691



34.2902, 0.4731, 0.3364



20.7476, 0.3384, 0.3743



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.



87.0094, 0.3869, 0.4626



91.8525, 0.3975, 0.4831



77.2221, 0.3395, 0.4874



20.1424, 0.3261, 0.3525



45.8450, 0.4103, 0.5124



4.2596, 0.4115, 0.5115

Inverse Universe

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



22.3086, 0.2106, 0.1547



16.4417, 0.1884, 0.1183



28.9246, 0.2630, 0.1761



16.6857, 0.2987, 0.3045



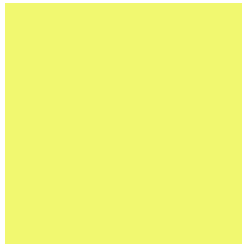
3.7240, 0.1515, 0.0608



0.3595, 0.1553, 0.0629

Previews

White Background



This preview shows how the Yxy color 87.0054, 0.3869, 0.4626 looks on a white background.

Color Contrast Check

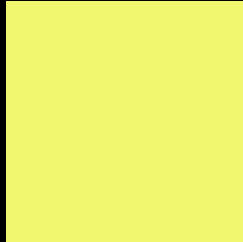
Large Text (above 18pt) WCAG AA × Fail

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 87.0054, 0.3869, 0.4626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

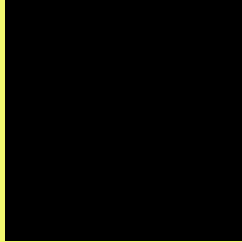
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0054, 0.3869, 0.4626

Background



This preview shows how black text looks on a background with the Yxy color 87.0054, 0.3869, 0.4626.

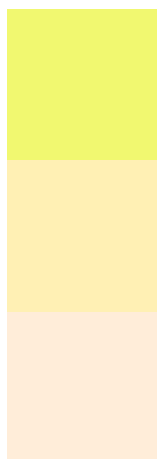


This preview shows how white text looks on a background with the Yxy color 87.0054, 0.3869, 0.4626.

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

87.0054, 0.3869, 0.4626

Protanopia

86.8755, 0.3613, 0.3892

Deuteranopia

86.8381, 0.3377, 0.3489



Tritanopia

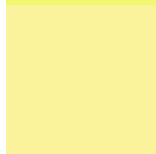
86.5029, 0.3162, 0.3116

Trichromacy



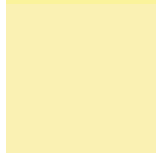
Original Color

87.0054, 0.3869, 0.4626



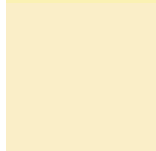
Protanomaly

86.7917, 0.3723, 0.4175



Deuteranomaly

86.4893, 0.3581, 0.3919



Tritanomaly

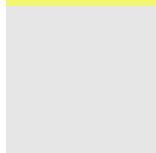
85.6432, 0.3452, 0.3676

Monochromacy



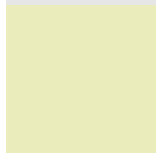
Original Color

87.0054, 0.3869, 0.4626



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.6487, 0.3424, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0054, 0.3869, 0.4626 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(241, 248, 112)` looks like.

```
.text, #text, p{  
    color:rgb(241, 248, 112)  
}
```

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(241, 248, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 248, 112) }
```

Border

The CSS property to change the border of an element to Yxy 87.0054, 0.3869, 0.4626 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(241, 248, 112) }
```

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

```
.border{ border-color:rgb(241, 248, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 248, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 248, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 248, 112);  
box-shadow:4px 4px 4px 4px rgb(241, 248,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0054, 0.3869, 0.4626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 248, 112) }
```

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

```
.background{ background-color: rgb(241,  
248, 112) }
```

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