

Converting Colors

$Y_{xy}(118.0549, 0.3671, 0.5113)$

Have a look what the booklet for
Yxy(118.0549, 0.3671, 0.5113)
contains.

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Color

Yxy(89.0812, 0.3849, 0.4882)

Conversions

Conversions Part 1

Format	Color
Hex	E6FF5A
RGB	230, 255, 90
RGB Percent	90%, 100%, 35%
CMY	0.0981, 0.0000, 0.6472
CMYK	0.10, 0.00, 0.65, 0.00
HSL	69°, 100%, 68%
HSV	69°, 65%, 100%
XYZ	70.2322, 89.0812, 23.1553
YIQ	228.7150, 38.0650, -56.6150

Conversions

Conversions Part 2

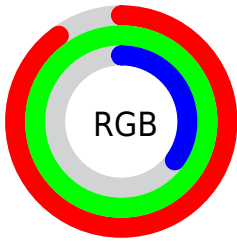
Format	Color
R _Y B	90, 255, 115
Decimal	15138650
CIE Lab	95.61, -29.06, 73.06
CIE LCh	96, 78.629, 111.693
Yxy	89.0812, 0.3849, 0.4882
Android (android.graphics.Color)	4293328730 (0xFFE6FF5A)
YUV	228.7150, -68.3865, 1.1269
Hunter-Lab	94.3828, -32.3445, 51.5222

Details

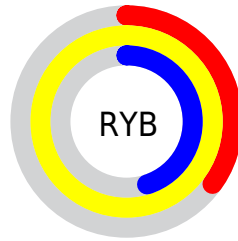
The Yxy color **89.0812, 0.3849, 0.4882** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **18.1689, 0.2004, 0.1266**, and the grayscale version is **78.6165, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8866, 0.3761, 0.4338**, and **49.1080, 0.3927, 0.5192** is the 20% darker color. If you saturate the color by 10%, you get **88.0825, 0.3902, 0.5047**, and if you desaturate by 10%, it is **90.2346, 0.3771, 0.4677**.

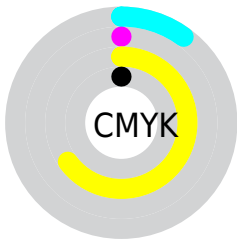
Distribution



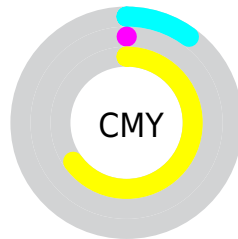
- Red (90%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (45%)



- Cyan (10%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0812, 0.3849, 0.4882 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 89.0812, 0.3849, 0.4882 by changing the saturation by 10% instead.


 89.0812, 0.3849,
0.4882


 89.0812, 0.3849,
0.4882

525.0375, 0.3584,
0.4176

 67.2189, 0.3889,
0.5027


 146.0615, 0.3774,
0.4649

 49.2625, 0.3926,
0.5196


 181.9482, 0.3739,
0.4554

 34.8278, 0.3956,
0.5391


 223.2785, 0.3708,
0.4471

 23.5302, 0.3968,
0.5616

 270.4368, 0.3679,
0.4398

 14.9855, 0.3955,
0.5891

323.8074, 0.3652,
0.4333

 8.8092, 0.3844,
0.6156

383.7748, 0.3627,

 4.6170, 0.3587,

0.4275

0.6413

450.7234, 0.3605,
0.4223

■ 2.0243, 0.3164,
0.6836

■ 0.6215, 0.0000,
1.0000

■ 89.0812, 0.3849,
0.4882

■ 89.0812, 0.3849,
0.4882

■ 88.0825, 0.3902,
0.5047

■ 90.2346, 0.3771,
0.4677

■ 87.2349, 0.3929,
0.5167

■ 91.5690, 0.3673,
0.4442

■ 86.5146, 0.3930,
0.5242

■ 93.0925, 0.3560,
0.4187

■ 86.1709, 0.3923,
0.5267

■ 94.8162, 0.3438,
0.3923

 96.7502, 0.3312,
0.3661

 98.9040, 0.3186,
0.3406

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



89.0812, 0.4532, 0.4445



89.0812, 0.3849, 0.4882



89.0812, 0.3023, 0.4801

Triad

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



89.0812, 0.3849, 0.4882



89.0812, 0.1643, 0.2382



89.0812, 0.3939, 0.2643

Complementary

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



89.0812, 0.3849, 0.4882



18.1689, 0.2004, 0.1266

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.



89.0812, 0.3028, 0.2218



89.0812, 0.3849, 0.4882



89.0812, 0.1806, 0.2041

Square

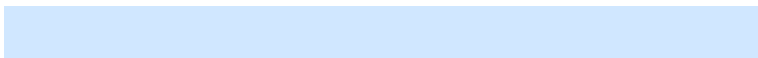
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.0812, 0.3849, 0.4882



89.0812, 0.1790, 0.3086



89.0812, 0.2270, 0.2003



89.0812, 0.4657, 0.3206

Rectangle

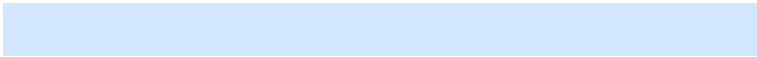
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.0812, 0.3849, 0.4882



89.0812, 0.2498, 0.4359



89.0812, 0.2270, 0.2003



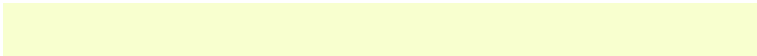
89.0812, 0.3636, 0.2482

Sweetspot

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



89.0770, 0.3849, 0.4882



95.8964, 0.3366, 0.3773



34.1941, 0.5068, 0.3523



20.4083, 0.3402, 0.3848



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.



89.0770, 0.3849, 0.4882



87.7893, 0.3914, 0.5092



78.5276, 0.3307, 0.5218



20.9431, 0.3246, 0.3526



45.0789, 0.3928, 0.5263



4.4253, 0.3960, 0.5238

Inverse Universe

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



18.1689, 0.2004, 0.1266



12.0486, 0.1780, 0.0919



26.4276, 0.2657, 0.1568



17.5099, 0.3002, 0.3046



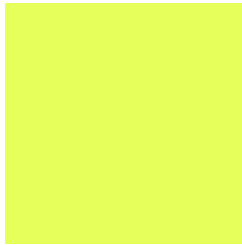
4.0337, 0.1561, 0.0634



0.4297, 0.1647, 0.0681

Previews

White Background



This preview shows how the Yxy color 89.0812, 0.3849, 0.4882 looks on a white background.

Color Contrast Check

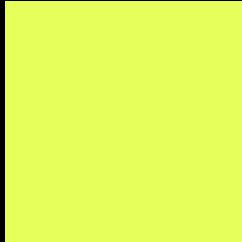
Large Text (above 18pt) WCAG AA × Fail

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 89.0812, 0.3849, 0.4882 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 89.0812, 0.3849, 0.4882

Background



This preview shows how black text looks on a background with the Yxy color 89.0812, 0.3849, 0.4882.

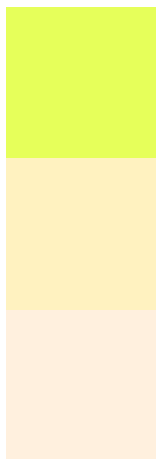


This preview shows how white text looks on a background with the Yxy color 89.0812, 0.3849, 0.4882.

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

89.0812, 0.3849, 0.4882

Protanopia

88.5700, 0.3531, 0.3790

Deuteranopia

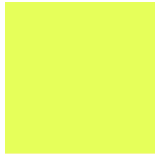
88.8541, 0.3341, 0.3468



Tritanopia

88.5458, 0.3076, 0.3133

Trichromacy



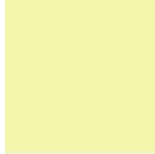
Original Color

89.0812, 0.3849, 0.4882



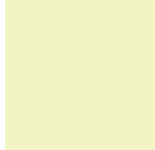
Protanomaly

88.4809, 0.3681, 0.4220



Deuteranomaly

87.9536, 0.3573, 0.4013



Tritanomaly

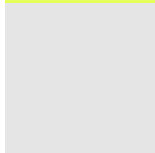
87.7702, 0.3401, 0.3805

Monochromacy



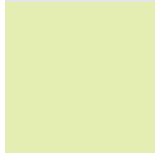
Original Color

89.0812, 0.3849, 0.4882



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

81.0214, 0.3443, 0.3934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0812, 0.3849, 0.4882 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, 255, 90)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 90)  
}
```

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, 255, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 90) }
```

Border

The CSS property to change the border of an element to Yxy 89.0812, 0.3849, 0.4882 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, 255, 90) }
```

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

```
.border{ border-color:rgb(230, 255, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 90);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0812, 0.3849, 0.4882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 90) }
```

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

```
.background{ background-color: rgb(230,  
255, 90) }
```

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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