

Converting Colors

Yxy(88.5310, 0.3908, 0.5015)

Have a look what the booklet for
Yxy(88.5310, 0.3908, 0.5015)
contains.

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Color

Yxy(88.6077, 0.3910, 0.5011)

Conversions

Conversions Part 1

Format	Color
Hex	E5FF45
RGB	229, 255, 69
RGB Percent	90%, 100%, 27%
CMY	0.1021, 0.0000, 0.7296
CMYK	0.10, 0.00, 0.73, 0.00
HSL	68°, 100%, 64%
HSV	68°, 73%, 100%
XYZ	69.1391, 88.6077, 19.0796
YIQ	226.0220, 44.2100, -63.3580

Conversions

Conversions Part 2

Format	Color
RYB	69, 255, 95
Decimal	15073093
CIELab	95.42, -30.57, 80.18
CIELCh	95, 85.808, 110.869
Yxy	88.6077, 0.3910, 0.5011
Android (android.graphics.Color)	4293263173 (0xFFE5FF45)
YUV	226.0220, -77.4118, 2.6117
Hunter-Lab	94.1317, -33.6233, 53.8747

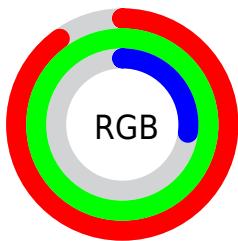
Details

The Yxy color **88.6077, 0.3910, 0.5011** is a light color, and the websafe version is hex **CCFF33**.

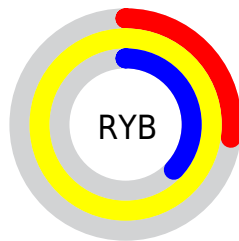
The color can be described as light washed yellow. A complement of this color would be **13.9015, 0.1847, 0.1031**, and the grayscale version is **76.6054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3650, 0.3855, 0.4493**, and **48.9342, 0.3945, 0.5250** is the 20% darker color. If you saturate the color by 10%, you get **87.7702, 0.3943, 0.5137**, and if you desaturate by 10%, it is **89.5823, 0.3850, 0.4841**.

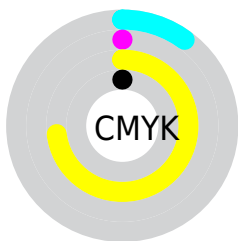
Distribution



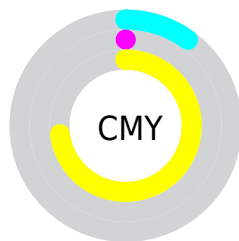
- Red (90%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (37%)



- Cyan (10%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6077, 0.3910, 0.5011 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 88.6077, 0.3910, 0.5011 by changing the saturation by 10% instead.


 88.6077, 0.3910,
0.5011


 88.6077, 0.3910,
0.5011


523.4913, 0.3634,
0.4257

 66.8265, 0.3947,
0.5161


 145.4029, 0.3835,
0.4765

 48.9436, 0.3978,
0.5333


 181.1857, 0.3800,
0.4665

 34.5748, 0.3997,
0.5528


 222.4044, 0.3767,
0.4576

 23.3355, 0.3990,
0.5745

 269.4435, 0.3736,
0.4497

 14.8414, 0.3968,
0.6032

 322.6873, 0.3707,
0.4427

 8.7082, 0.3785,
0.6215

382.5203, 0.3681,

 4.5513, 0.3511,

0.4365

0.6489

449.3268, 0.3656,
0.4308

■ 1.9865, 0.3061,
0.6939

■ 0.5996, 0.0000,
1.0000

■ 88.6077, 0.3910,
0.5011

■ 88.6077, 0.3910,
0.5011

■ 87.7702, 0.3943,
0.5137

■ 89.5823, 0.3850,
0.4841

■ 87.0672, 0.3951,
0.5216

■ 90.7258, 0.3766,
0.4632

■ 86.6306, 0.3944,
0.5251

■ 92.0464, 0.3663,
0.4394

■ 93.5559, 0.3546,
0.4139

95.2653, 0.3420,
0.3876

97.1847, 0.3292,
0.3615

99.3233, 0.3164,
0.3362

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.



88.6077, 0.4648, 0.4497



88.6077, 0.3910, 0.5011



88.6077, 0.3021, 0.4973

Triad

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



88.6077, 0.3910, 0.5011



88.6077, 0.1536, 0.2314



88.6077, 0.3984, 0.2574

Complementary

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



88.6077, 0.3910, 0.5011



13.9015, 0.1847, 0.1031

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.



88.6077, 0.2987, 0.2129



88.6077, 0.3910, 0.5011



88.6077, 0.1700, 0.1949

Square

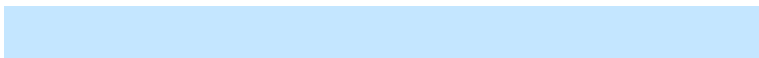
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.6077, 0.3910, 0.5011



88.6077, 0.1693, 0.3081



88.6077, 0.2181, 0.1907



88.6077, 0.4783, 0.3167

Rectangle

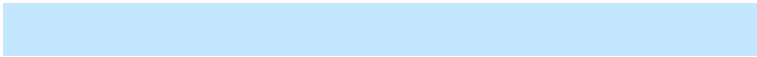
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.6077, 0.3910, 0.5011



88.6077, 0.2455, 0.4498



88.6077, 0.2181, 0.1907



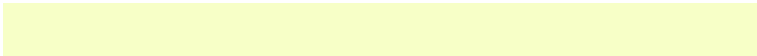
88.6077, 0.3650, 0.2405

Sweetspot

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



88.6023, 0.3910, 0.5011



95.4406, 0.3408, 0.3851



29.6509, 0.5456, 0.3495



20.3235, 0.3443, 0.3922



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.



88.6023, 0.3910, 0.5011



87.4013, 0.3950, 0.5182



77.2815, 0.3310, 0.5423



20.9544, 0.3247, 0.3526



45.3159, 0.3948, 0.5247



4.4461, 0.3978, 0.5224

Inverse Universe

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



13.9015, 0.1847, 0.1031



9.2031, 0.1641, 0.0736



22.0070, 0.2549, 0.1381



17.4996, 0.3000, 0.3046



4.0023, 0.1554, 0.0630



0.4249, 0.1636, 0.0675

Previews

White Background



This preview shows how the Yxy color 88.6077, 0.3910, 0.5011 looks on a white background.

Color Contrast Check

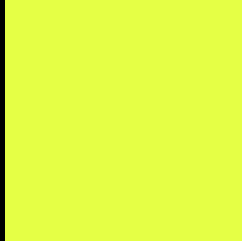
Large Text (above 18pt) WCAG AA × Fail

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 88.6077, 0.3910, 0.5011 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 88.6077, 0.3910, 0.5011

Background



This preview shows how black text looks on a background with the Yxy color 88.6077, 0.3910, 0.5011.

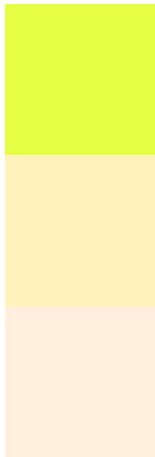


This preview shows how white text looks on a background with the Yxy color 88.6077, 0.3910, 0.5011.

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

88.6077, 0.3910, 0.5011

Protanopia

88.3951, 0.3556, 0.3830

Deuteranopia

88.1603, 0.3355, 0.3479



Tritanopia

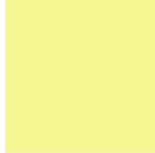
87.9619, 0.3076, 0.3124

Trichromacy



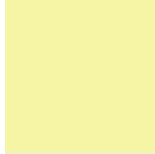
Original Color

88.6077, 0.3910, 0.5011



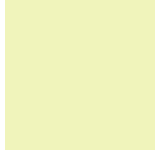
Protanomaly

88.1587, 0.3738, 0.4315



Deuteranomaly

87.6143, 0.3628, 0.4104



Tritanomaly

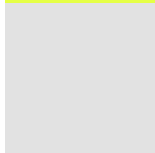
86.8145, 0.3452, 0.3880

Monochromacy



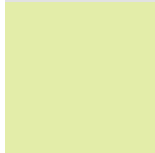
Original Color

88.6077, 0.3910, 0.5011



Achromatopsia

76.0525, 0.3127, 0.3290



Achromatomaly

79.7638, 0.3488, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6077, 0.3910, 0.5011 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(229, 255, 69)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 69)  
}
```

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(229, 255, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 69) }
```

Border

The CSS property to change the border of an element to Yxy 88.6077, 0.3910, 0.5011 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(229, 255, 69) }
```

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

```
.border{ border-color:rgb(229, 255, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 255, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 69);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6077, 0.3910, 0.5011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 255, 69) }
```

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

```
.background{ background-color: rgb(229,  
255, 69) }
```

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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