

Converting Colors

$Yxy(85.5047, 0.3902, 0.4975)$

Have a look what the booklet for
Yxy(85.5047, 0.3902, 0.4975)
contains.

| | |
|--|----|
| Yxy(85.6442, 0.3899, 0.4979) | 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(85.6442, 0.3899, 0.4979)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | E2FB49 |
| RGB | 226, 251, 73 |
| RGB Percent | 89%, 98%, 29% |
| CMY | 0.1137, 0.0157, 0.7137 |
| CMYK | 0.10, 0.00, 0.71, 0.02 |
| HSL | 68°, 96%, 64% |
| HSV | 68°, 71%, 98% |
| XYZ | 67.0670, 85.6442, 19.2996 |
| YIQ | 223.2330, 42.2380, -60.6580 |

Conversions

Conversions Part 2

| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 73, 251, 98 |
| Decimal | 14875465 |
| CIELab | 94.16, -29.69, 77.58 |
| CIELCh | 94, 83.072, 110.941 |
| Yxy | 85.6442, 0.3899, 0.4979 |
| Android (android.graphics.Color) | 4293065545 (0xFFE2FB49) |
| YUV | 223.2330, -74.0649, 2.4267 |
| Hunter-Lab | 92.5442, -32.5928, 52.4163 |

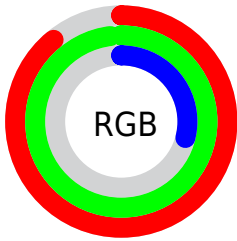
Details

The Yxy color **85.6442, 0.3899, 0.4979** is a light color, and the websafe version is hex **CCFF33**.

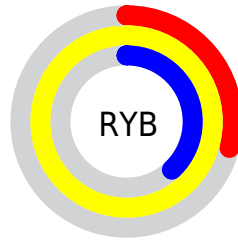
The color can be described as light washed yellow. A complement of this color would be **14.3277, 0.1883, 0.1086**, and the grayscale version is **74.4851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4459, 0.3840, 0.4468**, and **47.2457, 0.3941, 0.5253** is the 20% darker color. If you saturate the color by 10%, you get **84.8157, 0.3938, 0.5114**, and if you desaturate by 10%, it is **86.6265, 0.3834, 0.4800**.

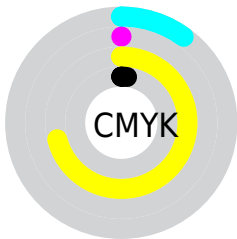
Distribution



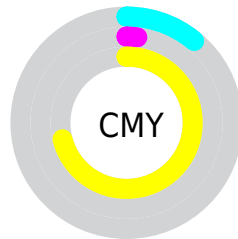
- Red (89%)
- Green (98%)
- Blue (29%)



- Red (29%)
- Yellow (98%)
- Blue (38%)



- Cyan (10%)
- Magenta (0%)
- Yellow (71%)
- Black (2%)





- Cyan (11%)
- Magenta (2%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6442, 0.3899, 0.4979 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 85.6442, 0.3899, 0.4979 by changing the saturation by 10% instead.


 85.6442, 0.3899,
0.4979


 85.6442, 0.3899,
0.4979


513.7573, 0.3621,
0.4232

 64.3738, 0.3937,
0.5130


 141.2729, 0.3822,
0.4734


 46.9535, 0.3971,
0.5303


 176.3999, 0.3787,
0.4634

 32.9989, 0.3993,
0.5501


 216.9147, 0.3753,
0.4546

 22.1256, 0.3990,
0.5723

 263.2015, 0.3723,
0.4469

 13.9492, 0.3976,
0.6024

 315.6447, 0.3694,
0.4400

 8.0854, 0.3790,
0.6210


374.6289, 0.3668,

 4.1496, 0.3509,

0.4338

0.6491


440.5382, 0.3644,
0.4282

 1.7576, 0.3033,
0.6967


 0.4605, 0.0000,
1.0000


 85.6442, 0.3899,
0.4979


 85.6442, 0.3899,
0.4979


 84.8157, 0.3938,
0.5114

 86.6265, 0.3834,
0.4800


 84.1119, 0.3950,
0.5204

 87.7653, 0.3746,
0.4584


 83.5590, 0.3943,
0.5251


 89.0772, 0.3639,
0.4342


 90.5734, 0.3520,
0.4085

 92.2643, 0.3394,
0.3822

 94.1594, 0.3265,
0.3562

 96.2675, 0.3139,
0.3312

 97.3256, 0.3124,
0.3252

 97.4761, 0.3129,
0.3252

Harmonies

Analogous

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



85.6442, 0.4623, 0.4483



85.6442, 0.3899, 0.4979



85.6442, 0.3026, 0.4933

Triad

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



85.6442, 0.3899, 0.4979



85.6442, 0.1562, 0.2333



85.6442, 0.3969, 0.2589

Complementary

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



85.6442, 0.3899, 0.4979



14.3277, 0.1883, 0.1086

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.



85.6442, 0.2994, 0.2149



85.6442, 0.3899, 0.4979



85.6442, 0.1724, 0.1972

Square

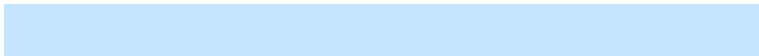
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.6442, 0.3899, 0.4979



85.6442, 0.1718, 0.3086



85.6442, 0.2200, 0.1930



85.6442, 0.4750, 0.3174

Rectangle

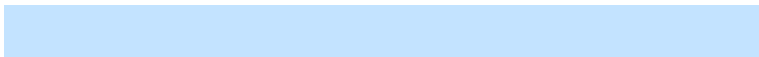
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.6442, 0.3899, 0.4979



85.6442, 0.2469, 0.4467



85.6442, 0.2200, 0.1930



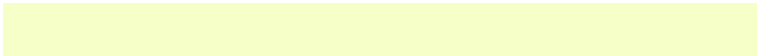
85.6442, 0.3643, 0.2422

Sweetspot

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



85.6481, 0.3899, 0.4979



95.6201, 0.3395, 0.3824



29.4923, 0.5364, 0.3497



20.3586, 0.3430, 0.3897



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.



85.6481, 0.3899, 0.4979



87.6000, 0.3946, 0.5157



74.9038, 0.3315, 0.5371



20.0600, 0.3247, 0.3526



43.9694, 0.3948, 0.5248



4.1052, 0.3979, 0.5223

Inverse Universe

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



14.3277, 0.1883, 0.1086



9.8758, 0.1675, 0.0781



22.1375, 0.2570, 0.1423



16.7599, 0.3001, 0.3046



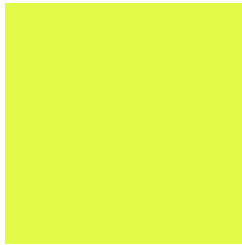
3.8873, 0.1555, 0.0630



0.3945, 0.1642, 0.0678

Previews

White Background



This preview shows how the Yxy color 85.6442, 0.3899, 0.4979 looks on a white background.

Color Contrast Check

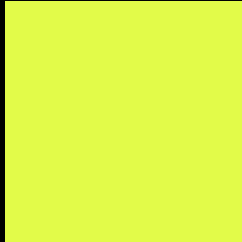
Large Text (above 18pt) WCAG AA × Fail

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 85.6442, 0.3899, 0.4979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

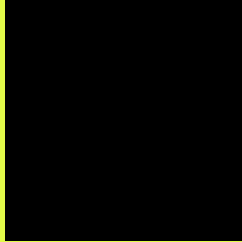
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.6442, 0.3899, 0.4979

Background



This preview shows how black text looks on a background with the Yxy color 85.6442, 0.3899, 0.4979.

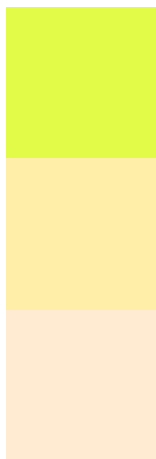


This preview shows how white text looks on a background with the Yxy color 85.6442, 0.3899, 0.4979.

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

85.6442, 0.3899, 0.4979

Protanopia

85.1991, 0.3702, 0.4003

Deuteranopia

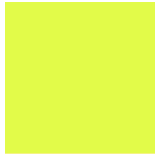
85.3298, 0.3427, 0.3541



Tritanopia

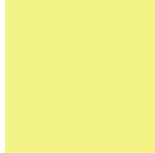
85.1706, 0.3076, 0.3102

Trichromacy



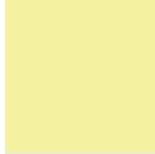
Original Color

85.6442, 0.3899, 0.4979



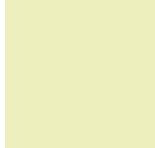
Protanomaly

85.0277, 0.3806, 0.4398



Deuteranomaly

84.6818, 0.3656, 0.4122



Tritanomaly

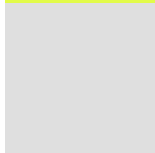
83.9555, 0.3433, 0.3835

Monochromacy



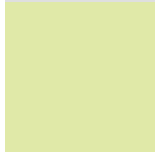
Original Color

85.6442, 0.3899, 0.4979



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.9523, 0.3482, 0.4002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6442, 0.3899, 0.4979 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, 251, 73)` looks like.

```
.text, #text, p{  
    color:rgb(226, 251, 73)  
}
```

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, 251, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 251, 73) }
```

Border

The CSS property to change the border of an element to Yxy 85.6442, 0.3899, 0.4979 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, 251, 73) }
```

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

```
.border{ border-color:rgb(226, 251, 73) }
```

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

Here you see how a box with a 4 pixel rgb(226, 251, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 251, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 251, 73);  
box-shadow:4px 4px 4px 4px rgb(226, 251,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6442, 0.3899, 0.4979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 251, 73) }
```

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

```
.background{ background-color: rgb(226,  
251, 73) }
```

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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