

Converting Colors

$Y_{xy}(100.0000, 0.3732, 0.4930)$

Have a look what the booklet for
Yxy(100.0000, 0.3732, 0.4930)
contains.

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Color

Yxy(89.0789, 0.3808, 0.4823)

Conversions

Conversions Part 1

Format	Color
Hex	E5FF63
RGB	229, 255, 99
RGB Percent	90%, 100%, 39%
CMY	0.1018, 0.0000, 0.6118
CMYK	0.10, 0.00, 0.61, 0.00
HSL	70°, 100%, 69%
HSV	70°, 61%, 100%
XYZ	70.3323, 89.0789, 25.2849
YIQ	229.4420, 34.5800, -54.0280

Conversions

Conversions Part 2

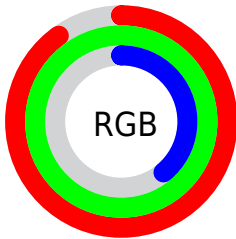
Format	Color
R _Y B	99, 255, 125
Decimal	15073123
CIE Lab	95.61, -28.85, 69.51
CIE LCh	96, 75.253, 112.539
Yxy	89.0789, 0.3808, 0.4823
Android (android.graphics.Color)	4293263203 (0xFFE5FF63)
YUV	229.4420, -64.3079, -0.3876
Hunter-Lab	94.3816, -32.1514, 50.1833

Details

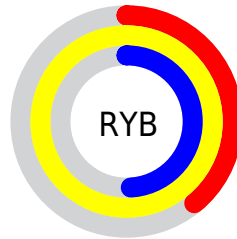
The Yxy color **89.0789, 0.3808, 0.4823** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **20.4953, 0.2086, 0.1381**, and the grayscale version is **79.1662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1466, 0.3717, 0.4265**, and **49.0807, 0.3883, 0.5131** is the 20% darker color. If you saturate the color by 10%, you get **87.9802, 0.3867, 0.5007**, and if you desaturate by 10%, it is **90.3567, 0.3725, 0.4603**.

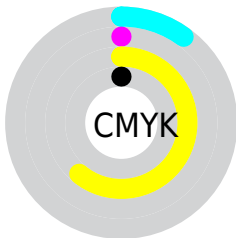
Distribution



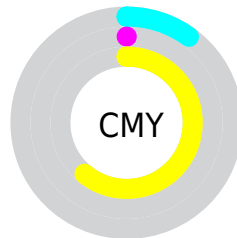
- Red (90%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (49%)



- Cyan (10%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.0789, 0.3808, 0.4823 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 89.0789, 0.3808, 0.4823 by changing the saturation by 10% instead.


 89.0789, 0.3808,
0.4823


 89.0789, 0.3808,
0.4823

525.0300, 0.3554,
0.4138

 67.2169, 0.3847,
0.4966


 146.0583, 0.3735,
0.4595


 49.2610, 0.3886,
0.5133


 181.9445, 0.3702,
0.4503

 34.8265, 0.3919,
0.5329


 223.2743, 0.3672,
0.4423

 23.5293, 0.3936,
0.5558

 270.4319, 0.3644,
0.4352

 14.9848, 0.3923,
0.5828

323.8020, 0.3619,
0.4290

 8.8087, 0.3852,
0.6148


383.7687, 0.3595,


 4.6166, 0.3597,


0.4234


0.6403


450.7166, 0.3574,
0.4183

 2.0241, 0.3177,
0.6823


 0.6214, 0.0000,
1.0000


 89.0789, 0.3808,
0.4823


 89.0789, 0.3808,
0.4823


 87.9802, 0.3867,
0.5007


 90.3567, 0.3725,
0.4603


 87.0332, 0.3901,
0.5146


 91.8146, 0.3624,
0.4357


 86.2238, 0.3908,
0.5239


 93.4686, 0.3510,
0.4096

 85.5996, 0.3897,
0.5288

 95.3293, 0.3388,
0.3831

 97.4068, 0.3264,
0.3570

 99.7104, 0.3141,
0.3319

 99.9990, 0.3127,
0.3290

Harmonies

Analogous

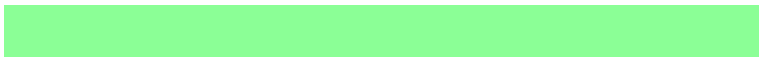
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.0789, 0.4468, 0.4426



89.0789, 0.3808, 0.4823



89.0789, 0.3011, 0.4716

Triad

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



89.0789, 0.3808, 0.4823



89.0789, 0.1695, 0.2407



89.0789, 0.3929, 0.2682

Complementary

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



89.0789, 0.3808, 0.4823



20.4953, 0.2086, 0.1381

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.



89.0789, 0.3058, 0.2265



89.0789, 0.3808, 0.4823



89.0789, 0.1860, 0.2082

Square

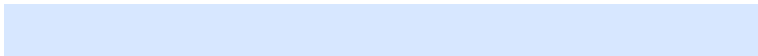
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.0789, 0.3808, 0.4823



89.0789, 0.1831, 0.3076



89.0789, 0.2320, 0.2050



89.0789, 0.4605, 0.3232

Rectangle

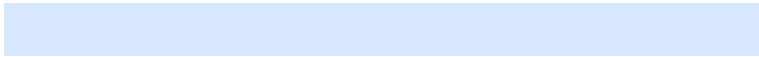
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.0789, 0.3808, 0.4823



89.0789, 0.2508, 0.4284



89.0789, 0.2320, 0.2050



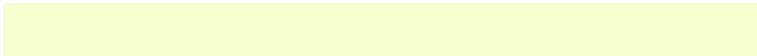
89.0789, 0.3642, 0.2524

Sweetspot

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



89.0829, 0.3808, 0.4823



95.9683, 0.3349, 0.3747



36.1731, 0.4913, 0.3519



20.4163, 0.3385, 0.3824



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.



89.0829, 0.3808, 0.4823



87.7984, 0.3876, 0.5035



79.2489, 0.3309, 0.5116



20.9288, 0.3243, 0.3527



44.7849, 0.3902, 0.5284



4.3994, 0.3937, 0.5256

Inverse Universe

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



20.4953, 0.2086, 0.1381



14.1574, 0.1874, 0.1044



28.4729, 0.2691, 0.1650



17.5229, 0.3005, 0.3046



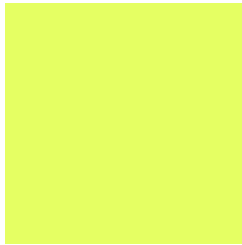
4.0769, 0.1571, 0.0639



0.4358, 0.1661, 0.0689

Previews

White Background



This preview shows how the Yxy color 89.0789, 0.3808, 0.4823 looks on a white background.

Color Contrast Check

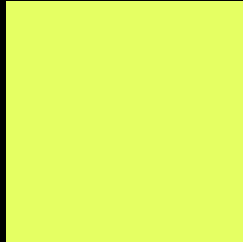
Large Text (above 18pt) WCAG AA × Fail

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 89.0789, 0.3808, 0.4823 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 89.0789, 0.3808, 0.4823

Background



This preview shows how black text looks on a background with the Yxy color 89.0789, 0.3808, 0.4823.

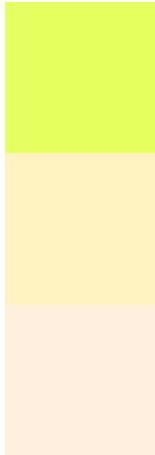


This preview shows how white text looks on a background with the Yxy color 89.0789, 0.3808, 0.4823.

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

89.0789, 0.3808, 0.4823

Protanopia

88.5700, 0.3531, 0.3790

Deuteranopia

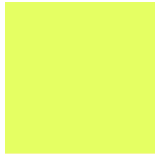
88.8541, 0.3341, 0.3468



Tritanopia

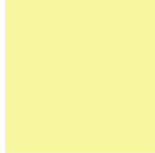
88.9527, 0.3069, 0.3143

Trichromacy



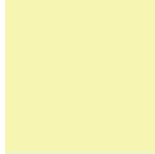
Original Color

89.0789, 0.3808, 0.4823



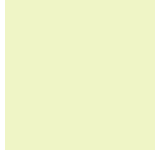
Protanomaly

88.5830, 0.3663, 0.4191



Deuteranomaly

88.0720, 0.3554, 0.3983



Tritanomaly

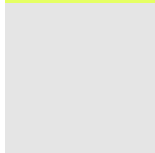
87.7328, 0.3375, 0.3775

Monochromacy



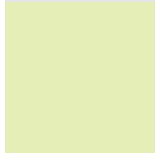
Original Color

89.0789, 0.3808, 0.4823



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

81.1845, 0.3418, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.0789, 0.3808, 0.4823 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 99) }
```

Border

The CSS property to change the border of an element to Yxy 89.0789, 0.3808, 0.4823 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, 99) }
```

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

```
.border{ border-color:rgb(229, 255, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 99);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 89.0789, 0.3808, 0.4823 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, 99) }
```

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

```
.background{ background-color: rgb(229,  
255, 99) }
```

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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