

Converting Colors

$Y_{xy}(115.7400, 0.3539, 0.4864)$

Have a look what the booklet for
Yxy(115.7400, 0.3539, 0.4864)
contains.

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Color

Yxy(89.2211, 0.3662, 0.4605)

Conversions

Conversions Part 1

Format	Color
Hex	E2FF7F
RGB	226, 255, 127
RGB Percent	89%, 100%, 50%
CMY	0.1138, 0.0000, 0.5018
CMYK	0.11, 0.00, 0.50, 0.00
HSL	74°, 100%, 75%
HSV	74°, 50%, 100%
XYZ	70.9506, 89.2211, 33.5766
YIQ	231.7370, 23.8040, -45.9560

Conversions

Conversions Part 2

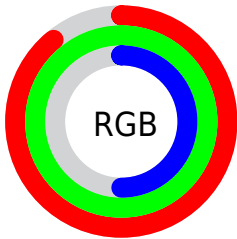
Format	Color
RYB	127, 255, 156
Decimal	14876543
CIELab	95.67, -27.78, 57.42
CIELCh	96, 63.786, 115.818
Yxy	89.2211, 0.3662, 0.4605
Android (android.graphics.Color)	4293066623 (0xFFE2FF7F)
YUV	231.7370, -51.6353, -5.0313
Hunter-Lab	94.4569, -31.2206, 45.0440

Details

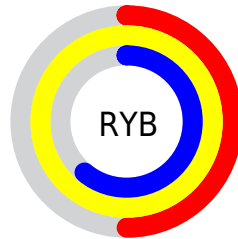
The Yxy color **89.2211, 0.3662, 0.4605** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **29.4876, 0.2356, 0.1765**, and the grayscale version is **80.8661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **49.1940, 0.3734, 0.4892** is the 20% darker color. If you saturate the color by 10%, you get **87.7151, 0.3736, 0.4840**, and if you desaturate by 10%, it is **90.9202, 0.3570, 0.4347**.

Distribution



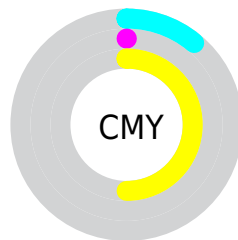
- Red (89%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (61%)



- Cyan (11%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.2211, 0.3662, 0.4605 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 89.2211, 0.3662, 0.4605 by changing the saturation by 10% instead.


 89.2211, 0.3662,
0.4605


 89.2211, 0.3662,
0.4605


525.4939, 0.3455,
0.4007

 67.3348, 0.3698,
0.4735

 146.2560, 0.3599,
0.4402

 49.3568, 0.3735,
0.4890


 182.1734, 0.3572,
0.4322

 34.9026, 0.3772,
0.5079


 223.5366, 0.3548,
0.4252

 23.5878, 0.3804,
0.5309

270.7300, 0.3525,
0.4191

 15.0282, 0.3816,
0.5591

324.1381, 0.3505,
0.4136

 8.8392, 0.3817,
0.5989


384.1451, 0.3487,


 4.6364, 0.3647,


0.4088


0.6353


451.1356, 0.3470,
0.4045


 2.0356, 0.3245,
0.6755


 0.6280, 0.0000,
1.0000


 89.2211, 0.3662,
0.4605

 89.2211, 0.3662,
0.4605


 87.7151, 0.3736,
0.4840


 90.9202, 0.3570,
0.4347

 86.3990, 0.3787,
0.5040

 92.8343, 0.3466,
0.4078

 85.2543, 0.3812,
0.5198

 94.9711, 0.3355,
0.3808

 84.2631, 0.3811,
0.5307

 97.3404, 0.3241,
0.3545

■ 83.4101, 0.3789,
0.5373

99.9517, 0.3129,
0.3294

100.0000, 0.3127,
0.3290

Harmonies

Analogous

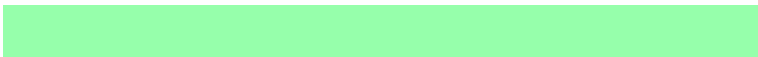
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.2211, 0.4244, 0.4338



89.2211, 0.3662, 0.4605



89.2211, 0.2971, 0.4429

Triad

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



89.2211, 0.3662, 0.4605



89.2211, 0.1881, 0.2497



89.2211, 0.3887, 0.2818

Complementary

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



89.2211, 0.3662, 0.4605



29.4876, 0.2356, 0.1765

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.



89.2211, 0.3155, 0.2430



89.2211, 0.3662, 0.4605



89.2211, 0.2057, 0.2229

Square

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



89.2211, 0.3662, 0.4605



89.2211, 0.1979, 0.3048



89.2211, 0.2495, 0.2219



89.2211, 0.4420, 0.3317

Rectangle

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



89.2211, 0.3662, 0.4605



89.2211, 0.2543, 0.4042



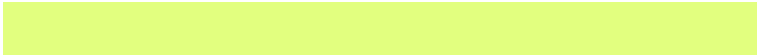
89.2211, 0.2495, 0.2219



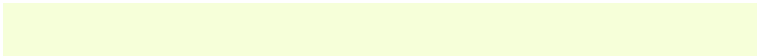
89.2211, 0.3650, 0.2672

Sweetspot

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



89.2177, 0.3662, 0.4605



96.1679, 0.3296, 0.3670



46.1608, 0.4402, 0.3580



20.4779, 0.3320, 0.3726



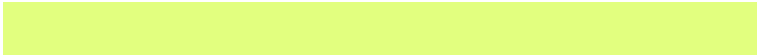
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.2177, 0.3662, 0.4605



87.7399, 0.3735, 0.4836



80.8722, 0.3251, 0.4801



20.8708, 0.3234, 0.3527



43.6536, 0.3796, 0.5368



4.2988, 0.3844, 0.5330

Inverse Universe

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



29.4876, 0.2356, 0.1765



22.0168, 0.2173, 0.1447



37.4327, 0.2866, 0.1958



17.5765, 0.3014, 0.3047



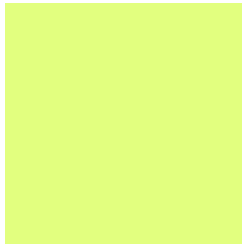
4.2947, 0.1620, 0.0666



0.4644, 0.1725, 0.0724

Previews

White Background



This preview shows how the Yxy color 89.2211, 0.3662, 0.4605 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 89.2211, 0.3662, 0.4605 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 89.2211, 0.3662, 0.4605

Background



This preview shows how black text looks on a background with the Yxy color 89.2211, 0.3662, 0.4605.

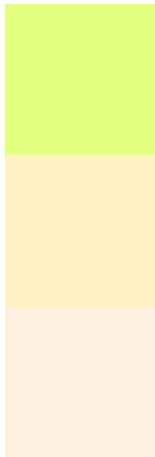


This preview shows how white text looks on a background with the Yxy color 89.2211, 0.3662, 0.4605.

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

89.2211, 0.3662, 0.4605

Protanopia

88.6593, 0.3518, 0.3770

Deuteranopia

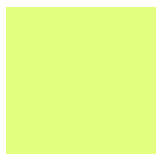
88.9620, 0.3328, 0.3448



Tritanopia

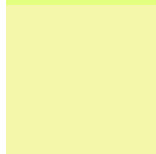
89.0078, 0.3050, 0.3152

Trichromacy



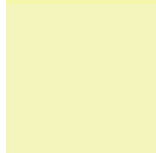
Original Color

89.2211, 0.3662, 0.4605



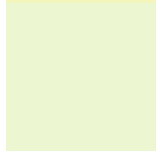
Protanomaly

88.6569, 0.3578, 0.4076



Deuteranomaly

88.2120, 0.3466, 0.3863



Tritanomaly

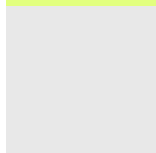
88.2985, 0.3292, 0.3682

Monochromacy



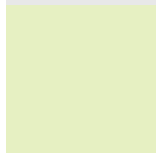
Original Color

89.2211, 0.3662, 0.4605



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

83.0382, 0.3346, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.2211, 0.3662, 0.4605 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, 255, 127)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 127)  
}
```

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, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 127) }
```

Border

The CSS property to change the border of an element to Yxy 89.2211, 0.3662, 0.4605 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, 255, 127) }
```

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

```
.border{ border-color:rgb(226, 255, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 89.2211, 0.3662, 0.4605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 127) }
```

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

```
.background{ background-color: rgb(226,  
255, 127) }
```

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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