

Converting Colors

Yxy(89.8813, 0.3702, 0.4608)

Have a look what the booklet for
Yxy(89.8813, 0.3702, 0.4608)
contains.

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Color

Yxy(89.8237, 0.3700, 0.4610)

Conversions

Conversions Part 1

Format	Color
Hex	E6FF7D
RGB	230, 255, 125
RGB Percent	90%, 100%, 49%
CMY	0.0980, 0.0000, 0.5099
CMYK	0.10, 0.00, 0.51, 0.00
HSL	72°, 100%, 75%
HSV	72°, 51%, 100%
XYZ	72.0928, 89.8237, 32.9289
YIQ	232.7050, 26.8300, -45.7300

Conversions

Conversions Part 2

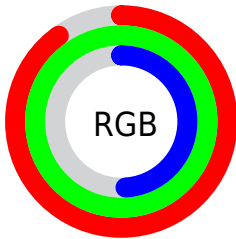
Format	Color
RYB	125, 255, 150
Decimal	15138685
CIELab	95.92, -26.44, 58.73
CIELCh	96, 64.403, 114.239
Yxy	89.8237, 0.3700, 0.4610
Android (android.graphics.Color)	4293328765 (0xFFE6FF7D)
YUV	232.7050, -53.0986, -2.3723
Hunter-Lab	94.7754, -30.0773, 45.7430

Details

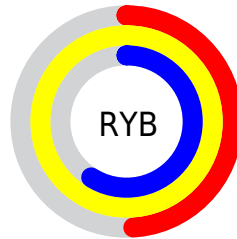
The Yxy color **89.8237, 0.3700, 0.4610** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **28.3611, 0.2309, 0.1725**, and the grayscale version is **81.6401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0753, 0.3573, 0.4028**, and **49.6138, 0.3779, 0.4889** is the 20% darker color. If you saturate the color by 10%, you get **88.4528, 0.3778, 0.4836**, and if you desaturate by 10%, it is **91.3826, 0.3603, 0.4359**.

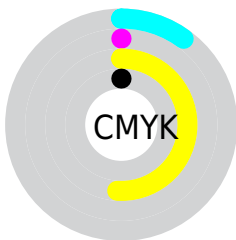
Distribution



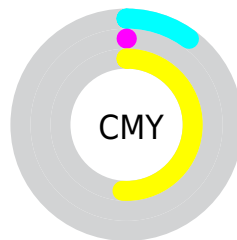
- Red (90%)
- Green (100%)
- Blue (49%)



- Red (49%)
- Yellow (100%)
- Blue (59%)



- Cyan (10%)
- Magenta (0%)
- Yellow (51%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8237, 0.3700, 0.4610 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 89.8237, 0.3700, 0.4610 by changing the saturation by 10% instead.


 89.8237, 0.3700,
0.4610

 89.8237, 0.3700,
0.4610


527.4572, 0.3477,
0.4013

 67.8344, 0.3739,
0.4739


 147.0935, 0.3632,
0.4408

 49.7630, 0.3780,
0.4892


 183.1428, 0.3603,
0.4328

 35.2252, 0.3821,
0.5077

 224.6475, 0.3577,
0.4258

 23.8364, 0.3856,
0.5301

271.9922, 0.3553,
0.4197

 15.2123, 0.3874,
0.5573

325.5611, 0.3531,
0.4143

 8.9685, 0.3887,
0.5963


385.7386, 0.3511,


 4.7206, 0.3716,

0.4095

0.6284


452.9092, 0.3493,
0.4052


 2.0843, 0.3338,
0.6662

 0.6558, 0.0000,
1.0000

 89.8237, 0.3700,
0.4610


 89.8237, 0.3700,
0.4610


 88.4528, 0.3778,
0.4836


 91.3826, 0.3603,
0.4359


 87.2597, 0.3834,
0.5025

 93.1445, 0.3494,
0.4095

 86.2282, 0.3863,
0.5172

 95.1191, 0.3377,
0.3827

 85.3401, 0.3866,
0.5270

 97.3165, 0.3257,
0.3565

■ 84.6375, 0.3851,
0.5325

99.7460, 0.3139,
0.3314

100.0000, 0.3127,
0.3290

Harmonies

Analogous

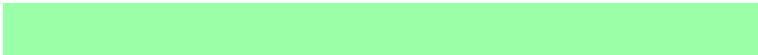
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8237, 0.4275, 0.4322



89.8237, 0.3700, 0.4610



89.8237, 0.3006, 0.4461

Triad

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



89.8237, 0.3700, 0.4610



89.8237, 0.1872, 0.2513



89.8237, 0.3856, 0.2790

Complementary

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



89.8237, 0.3700, 0.4610



28.3611, 0.2309, 0.1725

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.



89.8237, 0.3116, 0.2408



89.8237, 0.3700, 0.4610



89.8237, 0.2035, 0.2229

Square

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



89.8237, 0.3700, 0.4610



89.8237, 0.1985, 0.3082



89.8237, 0.2462, 0.2207



89.8237, 0.4411, 0.3288

Rectangle

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



89.8237, 0.3700, 0.4610



89.8237, 0.2570, 0.4085



89.8237, 0.2462, 0.2207



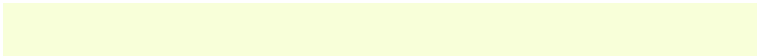
89.8237, 0.3615, 0.2647

Sweetspot

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



89.8226, 0.3700, 0.4610



96.4085, 0.3305, 0.3669



44.1744, 0.4459, 0.3539



20.5363, 0.3330, 0.3725



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

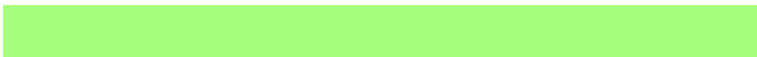
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.8226, 0.3700, 0.4610



88.4517, 0.3778, 0.4836



81.1227, 0.3277, 0.4815



20.9039, 0.3239, 0.3527



44.2877, 0.3856, 0.5320



4.3553, 0.3897, 0.5288

Inverse Universe

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



28.3611, 0.2309, 0.1725



20.9244, 0.2117, 0.1399



36.1494, 0.2822, 0.1923



17.5458, 0.3009, 0.3046



4.1617, 0.1590, 0.0650



0.4474, 0.1687, 0.0703

Previews

White Background



This preview shows how the Yxy color 89.8237, 0.3700, 0.4610 looks on a white background.

Color Contrast Check

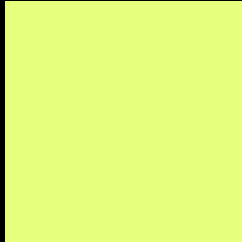
Large Text (above 18pt) WCAG AA × Fail

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 89.8237, 0.3700, 0.4610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

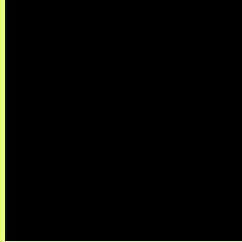
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.8237, 0.3700, 0.4610

Background



This preview shows how black text looks on a background with the Yxy color 89.8237, 0.3700, 0.4610.

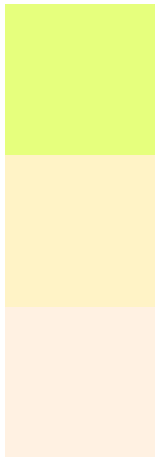


This preview shows how white text looks on a background with the Yxy color 89.8237, 0.3700, 0.4610.

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

89.8237, 0.3700, 0.4610

Protanopia

89.4384, 0.3490, 0.3739

Deuteranopia

89.6616, 0.3314, 0.3438



Tritanopia

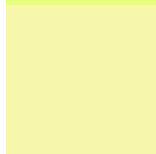
89.5431, 0.3069, 0.3153

Trichromacy



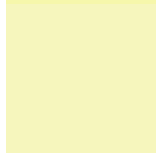
Original Color

89.8237, 0.3700, 0.4610



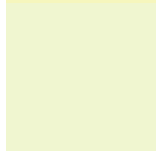
Protanomaly

89.0546, 0.3586, 0.4062



Deuteranomaly

89.1785, 0.3478, 0.3870



Tritanomaly

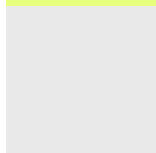
88.9909, 0.3319, 0.3679

Monochromacy



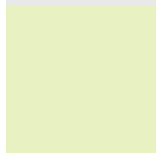
Original Color

89.8237, 0.3700, 0.4610



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.9614, 0.3358, 0.3786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8237, 0.3700, 0.4610 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, 125)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 125)  
}
```

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, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 125) }
```

Border

The CSS property to change the border of an element to Yxy 89.8237, 0.3700, 0.4610 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, 125) }
```

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

```
.border{ border-color:rgb(230, 255, 125) }
```

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, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 125);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8237, 0.3700, 0.4610 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, 125) }
```

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

```
.background{ background-color: rgb(230,  
255, 125) }
```

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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