

Converting Colors

$Y_{xy}(90.0078, 0.3710, 0.4647)$

Have a look what the booklet for
Yxy(90.0078, 0.3710, 0.4647)
contains.

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Color

Yxy(89.5585, 0.3712, 0.4648)

Conversions

Conversions Part 1

Format	Color
Hex	E5FF79
RGB	229, 255, 121
RGB Percent	90%, 100%, 47%
CMY	0.1020, 0.0000, 0.5256
CMYK	0.10, 0.00, 0.53, 0.00
HSL	72°, 100%, 74%
HSV	72°, 53%, 100%
XYZ	71.5235, 89.5585, 31.5998
YIQ	231.9500, 27.5180, -47.1860

Conversions

Conversions Part 2

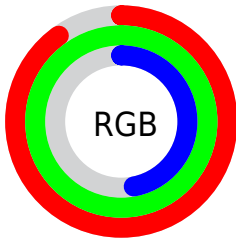
Format	Color
RYB	121, 255, 147
Decimal	15073145
CIELab	95.81, -27.17, 60.37
CIELCh	96, 66.198, 114.231
Yxy	89.5585, 0.3712, 0.4648
Android (android.graphics.Color)	4293263225 (0xFFE5FF79)
YUV	231.9500, -54.6984, -2.5872
Hunter-Lab	94.6354, -30.7052, 46.4471

Details

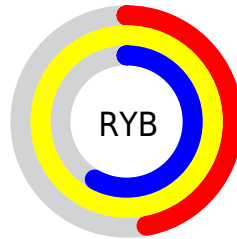
The Yxy color **89.5585, 0.3712, 0.4648** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **27.0926, 0.2280, 0.1673**, and the grayscale version is **81.0565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9146, 0.3597, 0.4066**, and **49.4394, 0.3793, 0.4939** is the 20% darker color. If you saturate the color by 10%, you get **88.2109, 0.3787, 0.4869**, and if you desaturate by 10%, it is **91.0940, 0.3618, 0.4400**.

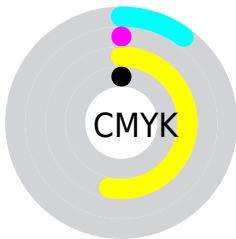
Distribution



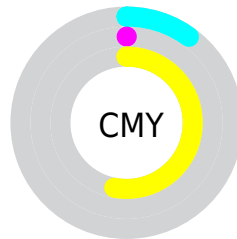
- Red (90%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (58%)



- Cyan (10%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.5585, 0.3712, 0.4648 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 89.5585, 0.3712, 0.4648 by changing the saturation by 10% instead.

 89.5585, 0.3712,
0.4648


 89.5585, 0.3712,
0.4648


526.5936, 0.3486,
0.4034


 67.6145, 0.3750,
0.4780


 146.7250, 0.3644,
0.4441

 49.5842, 0.3791,
0.4937


 182.7163, 0.3614,
0.4358

 35.0831, 0.3830,
0.5125


 224.1588, 0.3588,
0.4287

 23.7269, 0.3862,
0.5353

271.4369, 0.3563,
0.4224

 15.1312, 0.3873,
0.5627

324.9351, 0.3541,
0.4168

 8.9115, 0.3892,
0.6043

385.0377, 0.3521,

 4.6835, 0.3680,

0.4118

0.6320

452.1290, 0.3503,
0.4074

■ 2.0628, 0.3289,
0.6711

■ 0.6436, 0.0000,
1.0000

■ 89.5585, 0.3712,
0.4648

■ 89.5585, 0.3712,
0.4648

■ 88.2109, 0.3787,
0.4869

■ 91.0940, 0.3618,
0.4400

■ 87.0385, 0.3838,
0.5053


■ 92.8303, 0.3510,
0.4137

■ 86.0256, 0.3863,
0.5192

■ 94.7783, 0.3394,
0.3869

■ 85.1532, 0.3862,
0.5284

■ 96.9478, 0.3275,
0.3605

 84.5744, 0.3847,
0.5327

 99.3485, 0.3157,
0.3352

100.0000, 0.3127,
0.3290

Harmonies

Analogous

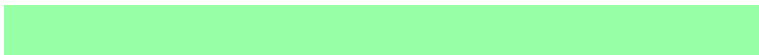
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5585, 0.4304, 0.4346



89.5585, 0.3712, 0.4648



89.5585, 0.3000, 0.4499

Triad

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



89.5585, 0.3712, 0.4648



89.5585, 0.1841, 0.2490



89.5585, 0.3876, 0.2777

Complementary

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



89.5585, 0.3712, 0.4648



27.0926, 0.2280, 0.1673

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.



89.5585, 0.3115, 0.2387



89.5585, 0.3712, 0.4648



89.5585, 0.2008, 0.2202

Square

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



89.5585, 0.3712, 0.4648



89.5585, 0.1956, 0.3074



89.5585, 0.2443, 0.2181



89.5585, 0.4448, 0.3285

Rectangle

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



89.5585, 0.3712, 0.4648



89.5585, 0.2553, 0.4111



89.5585, 0.2443, 0.2181



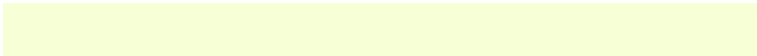
89.5585, 0.3628, 0.2630

Sweetspot

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



89.5582, 0.3712, 0.4648



96.1748, 0.3316, 0.3695



43.0606, 0.4520, 0.3545



20.4893, 0.3341, 0.3750



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.



89.5582, 0.3712, 0.4648



88.1551, 0.3790, 0.4878



80.7313, 0.3279, 0.4865



20.9022, 0.3239, 0.3527



44.2551, 0.3853, 0.5322



4.3524, 0.3894, 0.5290

Inverse Universe

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



27.0926, 0.2280, 0.1673



19.6868, 0.2081, 0.1338



34.9717, 0.2810, 0.1882



17.5473, 0.3009, 0.3046



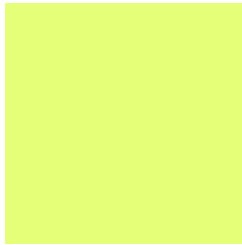
4.1678, 0.1592, 0.0651



0.4482, 0.1689, 0.0704

Previews

White Background



This preview shows how the Yxy color 89.5585, 0.3712, 0.4648 looks on a white background.

Color Contrast Check

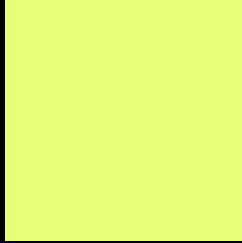
Large Text (above 18pt) WCAG AA × Fail

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 89.5585, 0.3712, 0.4648 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 89.5585, 0.3712, 0.4648

Background



This preview shows how black text looks on a background with the Yxy color 89.5585, 0.3712, 0.4648.

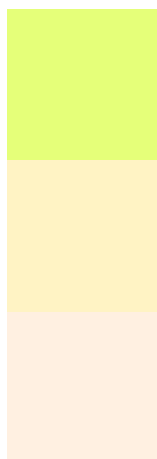


This preview shows how white text looks on a background with the Yxy color 89.5585, 0.3712, 0.4648.

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

89.5585, 0.3712, 0.4648

Protanopia

89.3467, 0.3503, 0.3759

Deuteranopia

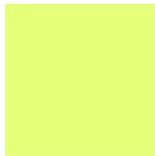
89.0164, 0.3322, 0.3438



Tritanopia

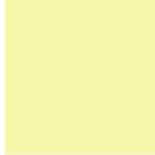
89.3637, 0.3063, 0.3153

Trichromacy



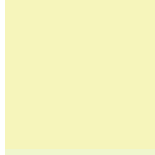
Original Color

89.5585, 0.3712, 0.4648



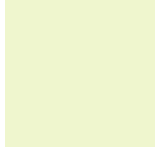
Protanomaly

88.9789, 0.3598, 0.4082



Deuteranomaly

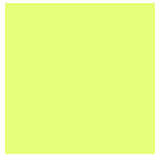
88.4855, 0.3492, 0.3881



Tritanomaly

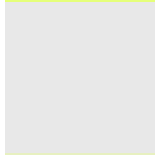
88.7185, 0.3324, 0.3701

Monochromacy



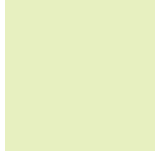
Original Color

89.5585, 0.3712, 0.4648



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

83.1149, 0.3366, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.5585, 0.3712, 0.4648 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(229, 255, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 121) }
```

Border

The CSS property to change the border of an element to Yxy 89.5585, 0.3712, 0.4648 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, 121) }
```

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

```
.border{ border-color:rgb(229, 255, 121) }
```

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, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 121);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 89.5585, 0.3712, 0.4648 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, 121) }
```

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

```
.background{ background-color: rgb(229,  
255, 121) }
```

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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