

Converting Colors

$Y_{xy}(100.0000, 0.3633, 0.4711)$

Have a look what the booklet for
Yxy(100.0000, 0.3633, 0.4711)
contains.

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Color

Yxy(89.7103, 0.3683, 0.4595)

Conversions

Conversions Part 1

Format	Color
Hex	E5FF7F
RGB	229, 255, 127
RGB Percent	90%, 100%, 50%
CMY	0.1020, 0.0000, 0.5018
CMYK	0.10, 0.00, 0.50, 0.00
HSL	72°, 100%, 75%
HSV	72°, 50%, 100%
XYZ	71.9049, 89.7103, 33.6194
YIQ	232.6340, 25.5920, -45.3200

Conversions

Conversions Part 2

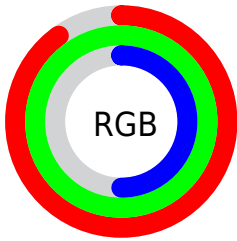
Format	Color
RYB	127, 255, 153
Decimal	15073151
CIELab	95.88, -26.63, 57.71
CIELCh	96, 63.561, 114.773
Yxy	89.7103, 0.3683, 0.4595
Android (android.graphics.Color)	4293263231 (0xFFE5FF7F)
YUV	232.6340, -52.0776, -3.1870
Hunter-Lab	94.7155, -30.2408, 45.2558

Details

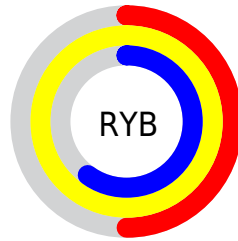
The Yxy color **89.7103, 0.3683, 0.4595** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **29.1881, 0.2334, 0.1756**, and the grayscale version is **81.5825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **49.5271, 0.3760, 0.4876** is the 20% darker color. If you saturate the color by 10%, you get **88.2876, 0.3761, 0.4825**, and if you desaturate by 10%, it is **91.3274, 0.3587, 0.4341**.

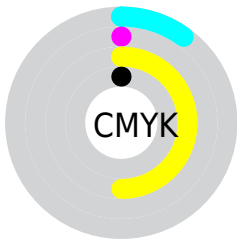
Distribution



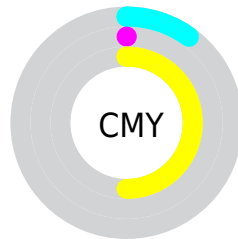
- Red (90%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (60%)



- Cyan (10%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7103, 0.3683, 0.4595 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 89.7103, 0.3683, 0.4595 by changing the saturation by 10% instead.

 89.7103, 0.3683,
0.4595


 89.7103, 0.3683,
0.4595

527.0880, 0.3466,
0.4003


 67.7404, 0.3721,
0.4723


 146.9359, 0.3617,
0.4395

 49.6866, 0.3761,
0.4876


 182.9604, 0.3589,
0.4315

 35.1644, 0.3801,
0.5061


 224.4386, 0.3563,
0.4246

 23.7896, 0.3836,
0.5286

271.7548, 0.3540,
0.4186

 15.1776, 0.3854,
0.5560

325.2934, 0.3519,
0.4132

 8.9441, 0.3862,
0.5945


385.4389, 0.3500,


 4.7047, 0.3706,


0.4084


0.6294


452.5757, 0.3482,
0.4042

 2.0751, 0.3324,
0.6676


 0.6506, 0.0000,
1.0000

 89.7103, 0.3683,
0.4595


 89.7103, 0.3683,
0.4595


 88.2876, 0.3761,
0.4825


 91.3274, 0.3587,
0.4341


 87.0451, 0.3817,
0.5021

 93.1497, 0.3478,
0.4075

 85.9681, 0.3846,
0.5173

 95.1882, 0.3363,
0.3806

 85.0386, 0.3849,
0.5278

 97.4530, 0.3245,
0.3544

■ 84.2409, 0.3831,
0.5340

99.9534, 0.3129,
0.3294

100.0000, 0.3127,
0.3290

Harmonies

Analogous

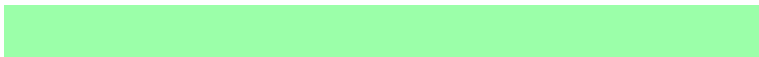
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7103, 0.4255, 0.4319



89.7103, 0.3683, 0.4595



89.7103, 0.2996, 0.4437

Triad

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



89.7103, 0.3683, 0.4595



89.7103, 0.1886, 0.2515



89.7103, 0.3859, 0.2804

Complementary

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



89.7103, 0.3683, 0.4595



29.1881, 0.2334, 0.1756

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.



89.7103, 0.3130, 0.2423



89.7103, 0.3683, 0.4595



89.7103, 0.2052, 0.2238

Square

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



89.7103, 0.3683, 0.4595



89.7103, 0.1993, 0.3074



89.7103, 0.2479, 0.2220



89.7103, 0.4401, 0.3299

Rectangle

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



89.7103, 0.3683, 0.4595



89.7103, 0.2567, 0.4062



89.7103, 0.2479, 0.2220



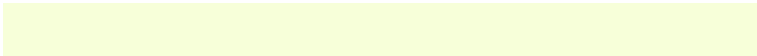
89.7103, 0.3622, 0.2661

Sweetspot

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



89.7107, 0.3683, 0.4595



96.3320, 0.3302, 0.3669



45.4574, 0.4415, 0.3558



20.5178, 0.3327, 0.3725



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

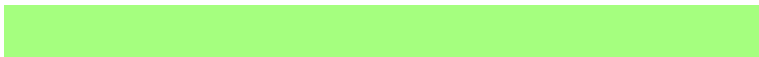
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7107, 0.3683, 0.4595



88.3113, 0.3760, 0.4821



81.0993, 0.3264, 0.4795



20.8934, 0.3238, 0.3527



44.0829, 0.3837, 0.5335



4.3371, 0.3880, 0.5301

Inverse Universe

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



29.1881, 0.2334, 0.1756



21.7171, 0.2147, 0.1435



37.1034, 0.2847, 0.1951



17.5555, 0.3010, 0.3046



4.2014, 0.1599, 0.0655



0.4526, 0.1699, 0.0709

Previews

White Background



This preview shows how the Yxy color 89.7103, 0.3683, 0.4595 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 89.7103, 0.3683, 0.4595 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 89.7103, 0.3683, 0.4595

Background



This preview shows how black text looks on a background with the Yxy color 89.7103, 0.3683, 0.4595.

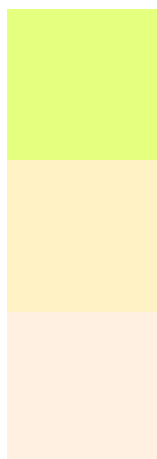


This preview shows how white text looks on a background with the Yxy color 89.7103, 0.3683, 0.4595.

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

89.7103, 0.3683, 0.4595

Protanopia

89.4384, 0.3490, 0.3739

Deuteranopia

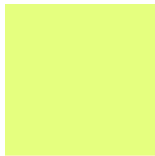
89.0164, 0.3322, 0.3438



Tritanopia

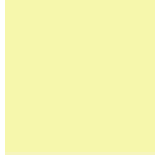
89.3637, 0.3063, 0.3153

Trichromacy



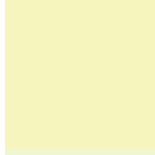
Original Color

89.7103, 0.3683, 0.4595



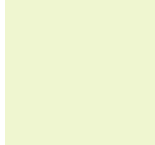
Protanomaly

89.0929, 0.3580, 0.4052



Deuteranomaly

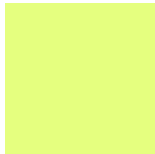
88.5718, 0.3480, 0.3860



Tritanomaly

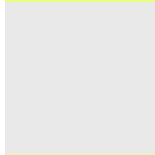
88.8163, 0.3312, 0.3680

Monochromacy



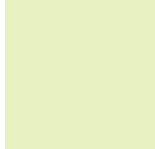
Original Color

89.7103, 0.3683, 0.4595



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 89.7103, 0.3683, 0.4595 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(229, 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(229, 255, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 255, 127) }
```

Border

The CSS property to change the border of an element to Yxy 89.7103, 0.3683, 0.4595 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, 127) }
```

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

```
.border{ border-color:rgb(229, 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(229, 255, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 255, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 255, 127);  
box-shadow:4px 4px 4px 4px rgb(229, 255,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7103, 0.3683, 0.4595 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, 127) }
```

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

```
.background{ background-color: rgb(229,  
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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