

Converting Colors

Yxy(84.9709, 0.3867, 0.5312)

Have a look what the booklet for
Yxy(84.9709, 0.3867, 0.5312)
contains.

Yxy(84.9299, 0.3865, 0.5313)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.9299, 0.3865, 0.5313)

Conversions

Conversions Part 1

Format	Color
Hex	D0FF00
RGB	208, 255, 0
RGB Percent	82%, 100%, 0%
CMY	0.1841, 0.0000, 0.9994
CMYK	0.18, 0.00, 1.00, 0.00
HSL	71°, 100%, 50%
HSV	71°, 100%, 100%
XYZ	61.7832, 84.9299, 13.1399
YIQ	211.8770, 53.8430, -89.2690

Conversions

Conversions Part 2

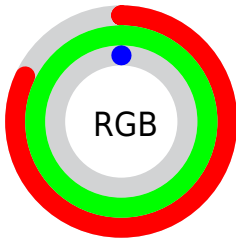
Format	Color
RYB	0, 255, 47
Decimal	13696768
CIELab	93.85, -40.38, 90.57
CIELCh	94, 99.161, 114.029
Yxy	84.9299, 0.3865, 0.5313
Android (android.graphics.Color)	4291886848 (0xFFD0FF00)
YUV	211.8770, -104.4554, -3.4001
Hunter-Lab	92.1574, -41.6074, 56.0566

Details

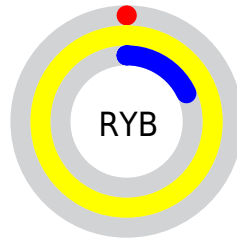
The Yxy color **84.9299, 0.3865, 0.5313** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.8295, 0.1574, 0.0641**, and the grayscale version is **66.4527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **46.6841, 0.3751, 0.5404** is the 20% darker color. If you saturate the color by 10%, you get **84.9294, 0.3865, 0.5313**, and if you desaturate by 10%, it is **85.6977, 0.3880, 0.5252**.

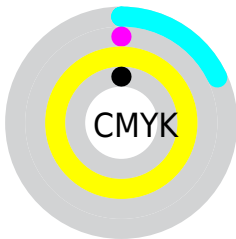
Distribution



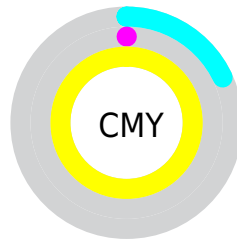
- Red (82%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (18%)



- Cyan (18%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9299, 0.3865, 0.5313 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 84.9299, 0.3865, 0.5313 by changing the saturation by 10% instead.


 84.9299, 0.3865,
0.5313

 84.9299, 0.3865,
0.5313


511.3961, 0.3643,
0.4426

 63.7835, 0.3879,
0.5485


 140.2752, 0.3817,
0.5027


 46.4753, 0.3879,
0.5678

 175.2429, 0.3790,
0.4909


 32.6211, 0.3851,
0.5892


 215.5865, 0.3763,
0.4804

 21.8363, 0.3799,
0.6156

 261.6903, 0.3736,
0.4711

 13.7367, 0.3632,
0.6368

 313.9388, 0.3711,
0.4628

 7.9377, 0.3373,
0.6627

 372.7163, 0.3687,

 4.0551, 0.2985,

0.4554

0.7015

438.4073, 0.3664,
0.4487

■ 1.7045, 0.2168,
0.7832

■ 0.4265, 0.0000,
1.0000

■ 84.9299, 0.3865,
0.5313

■ 84.9299, 0.3865,
0.5313


■ 84.9294, 0.3865,
0.5313


■ 85.6977, 0.3880,
0.5252

■ 86.5765, 0.3873,
0.5150


■ 87.5991, 0.3839,
0.5001


■ 88.7832, 0.3780,
0.4808

 90.1438, 0.3698,
0.4581

 91.6939, 0.3598,
0.4330

 93.4452, 0.3486,
0.4066

 95.4085, 0.3367,
0.3799

 97.5937, 0.3246,
0.3538

Harmonies

Analogous

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



84.9299, 0.4752, 0.4686



84.9299, 0.3865, 0.5313



84.9299, 0.2857, 0.5246

Triad

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



84.9299, 0.3865, 0.5313



84.9299, 0.1340, 0.2091



84.9299, 0.4241, 0.2530

Complementary

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



84.9299, 0.3865, 0.5313



7.8295, 0.1574, 0.0641

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.



84.9299, 0.3069, 0.2018



84.9299, 0.3865, 0.5313



84.9299, 0.1556, 0.1749

Square

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



84.9299, 0.3865, 0.5313



84.9299, 0.1459, 0.2901



84.9299, 0.2120, 0.1745



84.9299, 0.5122, 0.3188

Rectangle

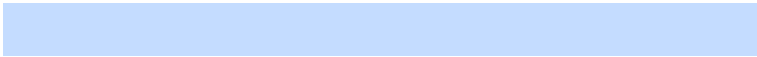
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.9299, 0.3865, 0.5313



84.9299, 0.2234, 0.4615



84.9299, 0.2120, 0.1745



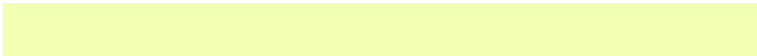
84.9299, 0.3852, 0.2337

Sweetspot

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



84.9337, 0.3865, 0.5313



93.4390, 0.3486, 0.4067



23.2820, 0.6231, 0.3434



19.8364, 0.3535, 0.4180



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.



84.9337, 0.3865, 0.5313



84.9336, 0.3865, 0.5313



73.2595, 0.3144, 0.5885



20.9116, 0.3240, 0.3527



44.4406, 0.3870, 0.5309



4.3689, 0.3909, 0.5278

Inverse Universe

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



7.8295, 0.1574, 0.0641



7.8237, 0.1574, 0.0641



16.2553, 0.2408, 0.1101



17.5387, 0.3007, 0.3046



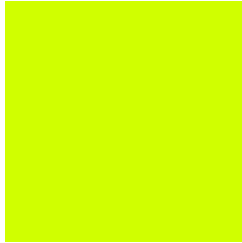
4.1340, 0.1584, 0.0646



0.4437, 0.1679, 0.0698

Previews

White Background



This preview shows how the Yxy color 84.9299, 0.3865, 0.5313 looks on a white background.

Color Contrast Check

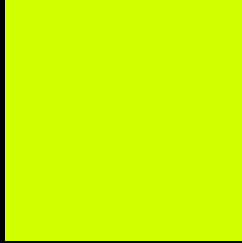
Large Text (above 18pt) WCAG AA × Fail

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 84.9299, 0.3865, 0.5313 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 84.9299, 0.3865, 0.5313

Background



This preview shows how black text looks on a background with the Yxy color 84.9299, 0.3865, 0.5313.



This preview shows how white text looks on a background with the Yxy color 84.9299, 0.3865, 0.5313.

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



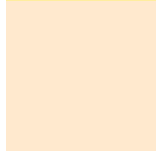
Original Color

84.9299, 0.3865, 0.5313



Protanopia

84.2970, 0.3762, 0.4082



Deuteranopia

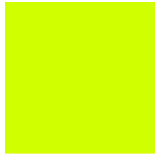
83.9941, 0.3457, 0.3562



Tritanopia

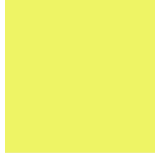
84.4464, 0.2968, 0.3107

Trichromacy



Original Color

84.9299, 0.3865, 0.5313



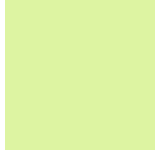
Protanomaly

83.8181, 0.3918, 0.4694



Deuteranomaly

82.7264, 0.3782, 0.4418



Tritanomaly

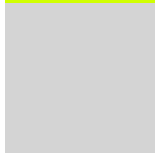
82.6822, 0.3471, 0.4178

Monochromacy



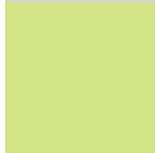
Original Color

84.9299, 0.3865, 0.5313



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

71.0850, 0.3605, 0.4345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9299, 0.3865, 0.5313 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(208, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 0)  
}
```

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(208, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 84.9299, 0.3865, 0.5313 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(208, 255, 0) }
```

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

```
.border{ border-color:rgb(208, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9299, 0.3865, 0.5313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 0) }
```

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

```
.background{ background-color: rgb(208,  
255, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor