

Converting Colors

Yxy(82.0149, 0.3815, 0.5353)

Have a look what the booklet for
Yxy(82.0149, 0.3815, 0.5353)
contains.

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Color

Yxy(81.7629, 0.3819, 0.5350)

Conversions

Conversions Part 1

Format	Color
Hex	C7FC00
RGB	199, 252, 0
RGB Percent	78%, 99%, 0%
CMY	0.2196, 0.0117, 1.0000
CMYK	0.21, 0.00, 1.00, 0.01
HSL	73°, 100%, 49%
HSV	73°, 100%, 99%
XYZ	58.3650, 81.7629, 12.7000
YIQ	207.4250, 49.3040, -89.6080

Conversions

Conversions Part 2

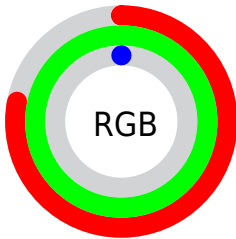
Format	Color
RYB	0, 252, 53
Decimal	13106176
CIELab	92.47, -42.56, 89.30
CIELCh	92, 98.921, 115.481
Yxy	81.7629, 0.3819, 0.5350
Android (android.graphics.Color)	4291296256 (0xFFC7FC00)
YUV	207.4250, -102.2605, -7.3887
Hunter-Lab	90.4228, -43.0241, 54.9686

Details

The Yxy color **81.7629, 0.3819, 0.5350** 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 **7.7852, 0.1594, 0.0652**, and the grayscale version is **63.3389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **44.5192, 0.3693, 0.5450** is the 20% darker color. If you saturate the color by 10%, you get **81.7669, 0.3819, 0.5350**, and if you desaturate by 10%, it is **82.5756, 0.3838, 0.5284**.

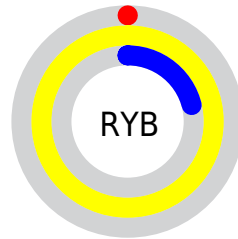
Distribution



Red (78%)

Green (99%)

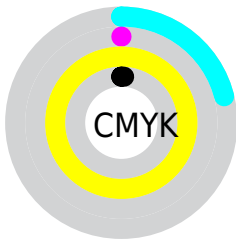
Blue (0%)



Red (0%)

Yellow (99%)

Blue (21%)

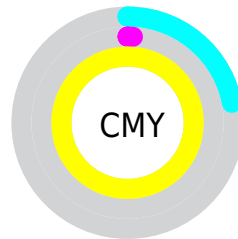


Cyan (21%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (22%)


Magenta (1%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7629, 0.3819, 0.5350 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 81.7629, 0.3819, 0.5350 by changing the saturation by 10% instead.


 81.7629, 0.3819,
0.5350


 81.7629, 0.3819,
0.5350


500.8543, 0.3617,
0.4434

 61.1701, 0.3828,
0.5530


 135.8415, 0.3778,
0.5052


 44.3625, 0.3821,
0.5734

 170.0960, 0.3753,
0.4930


 30.9556, 0.3785,
0.5960


 209.6733, 0.3728,
0.4822

 20.5650, 0.3724,
0.6251

 254.9577, 0.3704,
0.4726

 12.8064, 0.3530,
0.6470

 306.3336, 0.3680,
0.4641

 7.2954, 0.3243,
0.6757


 364.1854, 0.3658,


 3.6475, 0.2808,


0.4565


0.7192


428.8975, 0.3637,
0.4496

 1.4784, 0.1560,
0.8440


 0.2735, 0.0000,
1.0000


 81.7629, 0.3819,
0.5350


 81.7629, 0.3819,
0.5350


 81.7669, 0.3819,
0.5350


 82.5756, 0.3838,
0.5284


 83.5015, 0.3836,
0.5177


 84.5729, 0.3807,
0.5023


 85.8072, 0.3752,
0.4825

 87.2190, 0.3675,
0.4593

 88.8211, 0.3580,
0.4338

 90.6249, 0.3473,
0.4070

 92.6410, 0.3358,
0.3802

 94.8791, 0.3242,
0.3540

Harmonies

Analogous

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



81.7629, 0.4725, 0.4731



81.7629, 0.3819, 0.5350



81.7629, 0.2803, 0.5239

Triad

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



81.7629, 0.3819, 0.5350



81.7629, 0.1330, 0.2053



81.7629, 0.4307, 0.2552

Complementary

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



81.7629, 0.3819, 0.5350



7.7852, 0.1594, 0.0652

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.



81.7629, 0.3122, 0.2028



81.7629, 0.3819, 0.5350



81.7629, 0.1563, 0.1729

Square

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



81.7629, 0.3819, 0.5350



81.7629, 0.1431, 0.2843



81.7629, 0.2148, 0.1740



81.7629, 0.5167, 0.3218

Rectangle

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



81.7629, 0.3819, 0.5350



81.7629, 0.2184, 0.4569



81.7629, 0.2148, 0.1740



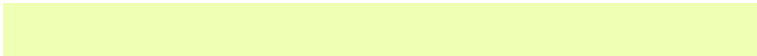
81.7629, 0.3917, 0.2356

Sweetspot

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



81.7669, 0.3819, 0.5350



93.0901, 0.3473, 0.4071



23.0118, 0.6204, 0.3456



19.7522, 0.3519, 0.4184



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.



81.7669, 0.3819, 0.5350



83.9898, 0.3819, 0.5350



71.1436, 0.3130, 0.5897



19.9957, 0.3236, 0.3527



42.6576, 0.3825, 0.5345



3.9953, 0.3871, 0.5308

Inverse Universe

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



7.7852, 0.1594, 0.0652



7.9939, 0.1594, 0.0652



16.3057, 0.2449, 0.1123



16.8188, 0.3012, 0.3047



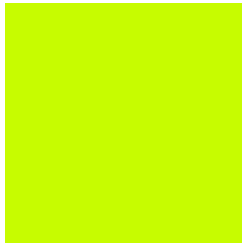
4.1059, 0.1606, 0.0658



0.4237, 0.1713, 0.0717

Previews

White Background



This preview shows how the Yxy color 81.7629, 0.3819, 0.5350 looks on a white background.

Color Contrast Check

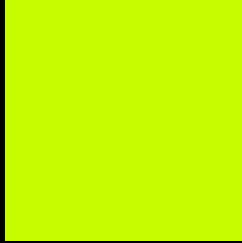
Large Text (above 18pt) WCAG AA × Fail

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 81.7629, 0.3819, 0.5350 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 81.7629, 0.3819, 0.5350

Background



This preview shows how black text looks on a background with the Yxy color 81.7629, 0.3819, 0.5350.



This preview shows how white text looks on a background with the Yxy color 81.7629, 0.3819, 0.5350.

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

81.7629, 0.3819, 0.5350

Protanopia

81.0701, 0.3966, 0.4333

Deuteranopia

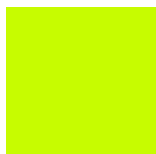
81.1937, 0.3547, 0.3645



Tritanopia

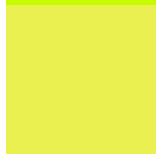
81.1531, 0.2922, 0.3093

Trichromacy



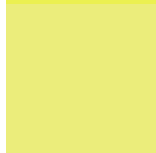
Original Color

81.7629, 0.3819, 0.5350



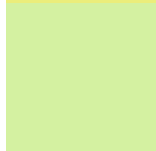
Protanomaly

80.5764, 0.3999, 0.4816



Deuteranomaly

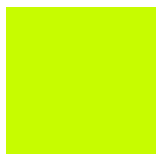
79.6606, 0.3820, 0.4468



Tritanomaly

79.4809, 0.3420, 0.4180

Monochromacy



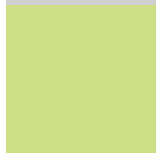
Original Color

81.7629, 0.3819, 0.5350



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

67.2787, 0.3586, 0.4351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7629, 0.3819, 0.5350 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(199, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(199, 252, 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(199, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 252, 0) }
```

Border

The CSS property to change the border of an element to Yxy 81.7629, 0.3819, 0.5350 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(199, 252, 0) }
```

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

```
.border{ border-color:rgb(199, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(199, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(199, 252,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7629, 0.3819, 0.5350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 252, 0) }
```

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

```
.background{ background-color: rgb(199,  
252, 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](#).

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