

Converting Colors

Yxy(81.8026, 0.3705, 0.5440)

Have a look what the booklet for
Yxy(81.8026, 0.3705, 0.5440)
contains.

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Color

Yxy(81.8343, 0.3707, 0.5439)

Conversions

Conversions Part 1

Format	Color
Hex	B9FF00
RGB	185, 255, 0
RGB Percent	73%, 100%, 0%
CMY	0.2743, 0.0000, 1.0000
CMYK	0.27, 0.00, 1.00, 0.00
HSL	76°, 100%, 50%
HSV	76°, 100%, 100%
XYZ	55.7749, 81.8343, 12.8491
YIQ	205.0000, 40.1350, -94.1450

Conversions

Conversions Part 2

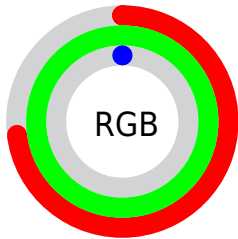
Format	Color
R _Y B	0, 255, 70
Decimal	12189440
CIE Lab	92.50, -49.08, 88.97
CIE LCh	93, 101.609, 118.880
Yxy	81.8343, 0.3707, 0.5439
Android (android.graphics.Color)	4290379520 (0xFFB9FF00)
YUV	205.0000, -101.0650, -17.5400
Hunter-Lab	90.4623, -48.2541, 54.9021

Details

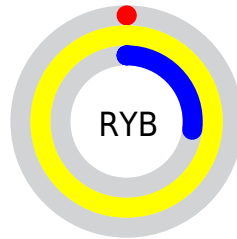
The Yxy color **81.8343, 0.3707, 0.5439** is a dark color, and the websafe version is hex **CCFF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **8.5201, 0.1656, 0.0686**, and the grayscale version is **61.6953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.9210, 0.3946, 0.4786**, and **44.7481, 0.3558, 0.5557** is the 20% darker color. If you saturate the color by 10%, you get **81.8384, 0.3707, 0.5439**, and if you desaturate by 10%, it is **82.8026, 0.3737, 0.5364**.

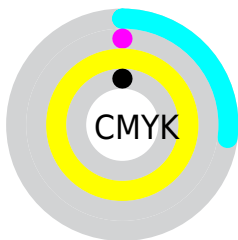
Distribution



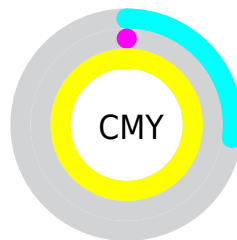
- Red (73%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (27%)



- Cyan (27%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8343, 0.3707, 0.5439 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 81.8343, 0.3707, 0.5439 by changing the saturation by 10% instead.


 81.8343, 0.3707,
0.5439

 81.8343, 0.3707,
0.5439


 501.0933, 0.3558,
0.4469

 61.2290, 0.3704,
0.5634


 135.9416, 0.3685,
0.5121


 44.4100, 0.3682,
0.5856

 170.2124, 0.3667,
0.4991


 30.9929, 0.3627,
0.6106


 209.8071, 0.3648,
0.4876

 20.5935, 0.3540,
0.6426

 255.1101, 0.3629,
0.4775

 12.8272, 0.3318,
0.6682

 306.5058, 0.3611,
0.4686

 7.3096, 0.2987,
0.7013

 364.3787, 0.3592,


 3.6565, 0.2493,


0.4606


0.7507


429.1130, 0.3575,
0.4534


 1.4833, 0.0734,
0.9266


 0.2770, 0.0000,
1.0000


 81.8343, 0.3707,
0.5439

 81.8343, 0.3707,
0.5439

 81.8384, 0.3707,
0.5439


 82.8026, 0.3737,
0.5364


 83.9045, 0.3745,
0.5244


 85.1734, 0.3727,
0.5076


 86.6278, 0.3684,
0.4865

 88.2827, 0.3619,
0.4620

 90.1519, 0.3535,
0.4355

 92.2472, 0.3440,
0.4080

 94.5799, 0.3337,
0.3806

 97.1602, 0.3232,
0.3541

Harmonies

Analogous

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



81.8343, 0.4658, 0.4839



81.8343, 0.3707, 0.5439



81.8343, 0.2673, 0.5214

Triad

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



81.8343, 0.3707, 0.5439



81.8343, 0.1307, 0.1965



81.8343, 0.4466, 0.2606

Complementary

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



81.8343, 0.3707, 0.5439



8.5201, 0.1656, 0.0686

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.



81.8343, 0.3254, 0.2052



81.8343, 0.3707, 0.5439



81.8343, 0.1580, 0.1684

Square

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



81.8343, 0.3707, 0.5439



81.8343, 0.1366, 0.2706



81.8343, 0.2218, 0.1730



81.8343, 0.5272, 0.3290

Rectangle

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



81.8343, 0.3707, 0.5439



81.8343, 0.2063, 0.4456



81.8343, 0.2218, 0.1730



81.8343, 0.4075, 0.2401

Sweetspot

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



81.8384, 0.3707, 0.5439



92.2493, 0.3440, 0.4080



25.3937, 0.6072, 0.3561



19.5500, 0.3481, 0.4196



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.



81.8384, 0.3707, 0.5439



81.8402, 0.3707, 0.5439



72.4635, 0.3080, 0.5937



20.8255, 0.3226, 0.3528



42.8413, 0.3715, 0.5432



4.2256, 0.3771, 0.5388

Inverse Universe

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



8.5201, 0.1656, 0.0686



8.5203, 0.1656, 0.0686



18.8884, 0.2613, 0.1213



17.6188, 0.3022, 0.3047



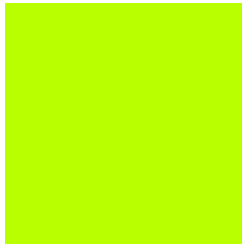
4.5150, 0.1669, 0.0693



0.4910, 0.1783, 0.0756

Previews

White Background



This preview shows how the Yxy color 81.8343, 0.3707, 0.5439 looks on a white background.

Color Contrast Check

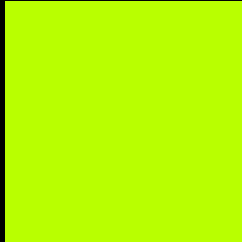
Large Text (above 18pt) WCAG AA × Fail

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 81.8343, 0.3707, 0.5439 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

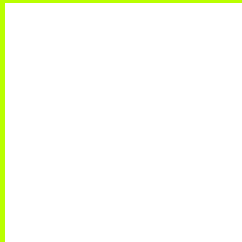
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.8343, 0.3707, 0.5439

Background



This preview shows how black text looks on a background with the Yxy color 81.8343, 0.3707, 0.5439.



This preview shows how white text looks on a background with the Yxy color 81.8343, 0.3707, 0.5439.

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

81.8343, 0.3707, 0.5439

Protanopia

81.0442, 0.3972, 0.4342

Deuteranopia

81.1937, 0.3547, 0.3645



Tritanopia

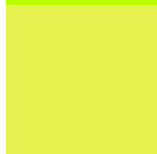
81.4900, 0.2851, 0.3101

Trichromacy



Original Color

81.8343, 0.3707, 0.5439



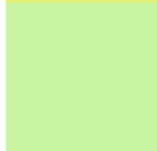
Protanomaly

80.3128, 0.3960, 0.4853



Deuteranomaly

79.4021, 0.3779, 0.4493



Tritanomaly

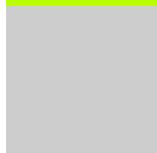
79.7275, 0.3332, 0.4220

Monochromacy



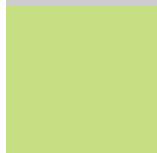
Original Color

81.8343, 0.3707, 0.5439



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

66.3928, 0.3552, 0.4391

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8343, 0.3707, 0.5439 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(185, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(185, 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(185, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 81.8343, 0.3707, 0.5439 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(185, 255, 0) }
```

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

```
.border{ border-color:rgb(185, 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(185, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8343, 0.3707, 0.5439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 0) }
```

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

```
.background{ background-color: rgb(185,  
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](#).

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