

Converting Colors

$Y_{xy}(100.0000, 0.3692, 0.5455)$

Have a look what the booklet for
Yxy(100.0000, 0.3692, 0.5455)
contains.

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Color

Yxy(83.7994, 0.3809, 0.5358)

Conversions

Conversions Part 1

Format	Color
Hex	C8FF00
RGB	200, 255, 0
RGB Percent	78%, 100%, 0%
CMY	0.2158, 0.0000, 1.0000
CMYK	0.22, 0.00, 1.00, 0.00
HSL	73°, 100%, 50%
HSV	73°, 100%, 100%
XYZ	59.5730, 83.7994, 13.0282
YIQ	209.4850, 49.0750, -90.9650

Conversions

Conversions Part 2

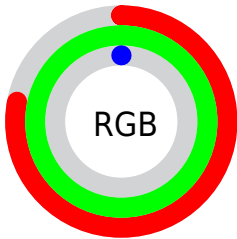
Format	Color
RYB	0, 255, 55
Decimal	13172480
CIELab	93.36, -43.50, 90.00
CIELCh	93, 99.963, 115.793
Yxy	83.7994, 0.3809, 0.5358
Android (android.graphics.Color)	4291362560 (0xFFC8FF00)
YUV	209.4850, -103.2761, -8.3183
Hunter-Lab	91.5420, -44.0358, 55.6413

Details

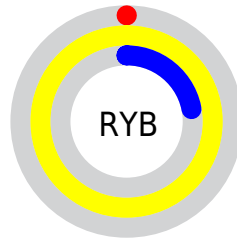
The Yxy color **83.7994, 0.3809, 0.5358** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **8.0330, 0.1599, 0.0654**, and the grayscale version is **64.7533, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **45.9636, 0.3682, 0.5458** is the 20% darker color. If you saturate the color by 10%, you get **83.7955, 0.3809, 0.5358**, and if you desaturate by 10%, it is **84.6391, 0.3829, 0.5292**.

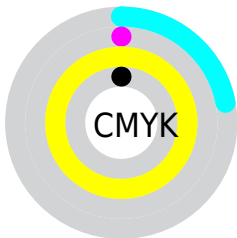
Distribution



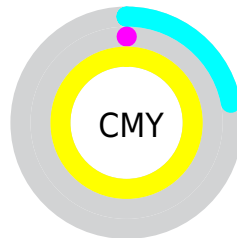
- Red (78%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (22%)



- Cyan (22%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7994, 0.3809, 0.5358 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 83.7994, 0.3809, 0.5358 by changing the saturation by 10% instead.


 83.7994, 0.3809,
0.5358


 83.7994, 0.3809,
0.5358


507.6469, 0.3613,
0.4442


 62.8498, 0.3817,
0.5538

 138.6945, 0.3770,
0.5061


 45.7197, 0.3809,
0.5741


 173.4089, 0.3746,
0.4938


 32.0247, 0.3772,
0.5968


 213.4803, 0.3722,
0.4830

 21.3804, 0.3708,
0.6252

 259.2931, 0.3698,
0.4734

 13.4023, 0.3521,
0.6479

 311.2318, 0.3675,
0.4649

 7.7062, 0.3237,
0.6763


 369.6807, 0.3653,


 3.9075, 0.2810,


0.4573

0.7190


435.0243, 0.3632,
0.4504


 1.6220, 0.1751,
0.8249

 0.3723, 0.0000,
1.0000


 83.7994, 0.3809,
0.5358


 83.7994, 0.3809,
0.5358

 83.7955, 0.3809,
0.5358


 84.6391, 0.3829,
0.5292


 85.6046, 0.3828,
0.5184


 86.7210, 0.3800,
0.5028


 88.0062, 0.3747,
0.4829

 89.4754, 0.3670,
0.4596

 91.1417, 0.3576,
0.4340

 93.0168, 0.3470,
0.4072

 95.1117, 0.3357,
0.3802

 97.4363, 0.3241,
0.3540

Harmonies

Analogous

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



83.7994, 0.4719, 0.4740



83.7994, 0.3809, 0.5358



83.7994, 0.2791, 0.5237

Triad

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



83.7994, 0.3809, 0.5358



83.7994, 0.1328, 0.2045



83.7994, 0.4321, 0.2557

Complementary

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



83.7994, 0.3809, 0.5358



8.0330, 0.1599, 0.0654

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.



83.7994, 0.3134, 0.2031



83.7994, 0.3809, 0.5358



83.7994, 0.1564, 0.1725

Square

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



83.7994, 0.3809, 0.5358



83.7994, 0.1425, 0.2831



83.7994, 0.2154, 0.1739



83.7994, 0.5177, 0.3225

Rectangle

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



83.7994, 0.3809, 0.5358



83.7994, 0.2173, 0.4559



83.7994, 0.2154, 0.1739



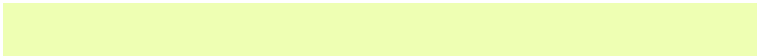
83.7994, 0.3931, 0.2360

Sweetspot

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



83.7955, 0.3809, 0.5358



93.0168, 0.3470, 0.4072



23.6277, 0.6204, 0.3456



19.7346, 0.3516, 0.4185



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.



83.7955, 0.3809, 0.5358



73.0771, 0.3129, 0.5897



20.8814, 0.3236, 0.3527



43.8528, 0.3815, 0.5353



4.3166, 0.3861, 0.5317

Inverse Universe

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



8.0330, 0.1599, 0.0654



16.7442, 0.2448, 0.1122



17.5666, 0.3012, 0.3047



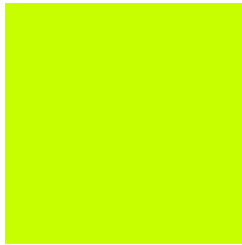
4.2496, 0.1610, 0.0661



0.4588, 0.1712, 0.0717

Previews

White Background



This preview shows how the Yxy color 83.7994, 0.3809, 0.5358 looks on a white background.

Color Contrast Check

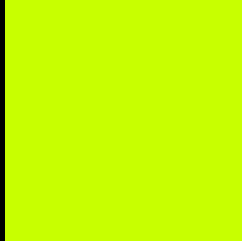
Large Text (above 18pt) WCAG AA × Fail

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 83.7994, 0.3809, 0.5358 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 83.7994, 0.3809, 0.5358

Background



This preview shows how black text looks on a background with the Yxy color 83.7994, 0.3809, 0.5358.

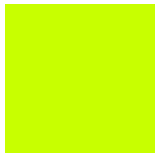


This preview shows how white text looks on a background with the Yxy color 83.7994, 0.3809, 0.5358.

Color Blindness Simulation

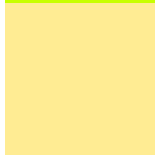
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



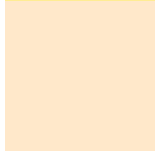
Original Color

83.7994, 0.3809, 0.5358



Protanopia

83.3575, 0.3834, 0.4178



Deuteranopia

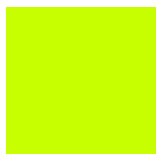
83.2375, 0.3486, 0.3593



Tritanopia

83.3180, 0.2924, 0.3105

Trichromacy



Original Color

83.7994, 0.3809, 0.5358



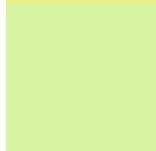
Protanomaly

82.5715, 0.3931, 0.4750



Deuteranomaly

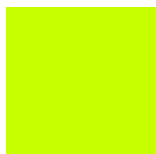
81.5673, 0.3775, 0.4438



Tritanomaly

81.6061, 0.3422, 0.4193

Monochromacy



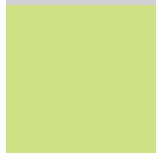
Original Color

83.7994, 0.3809, 0.5358



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

69.2080, 0.3586, 0.4363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7994, 0.3809, 0.5358 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(200, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 83.7994, 0.3809, 0.5358 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(200, 255, 0) }
```

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

```
.border{ border-color:rgb(200, 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(200, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 83.7994, 0.3809, 0.5358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 0) }
```

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

```
.background{ background-color: rgb(200,  
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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