

Converting Colors

$Y_{xy}(100.0000, 0.3731, 0.5535)$

Have a look what the booklet for
Yxy(100.0000, 0.3731, 0.5535)
contains.

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Color

Yxy(83.9375, 0.3816, 0.5352)

Conversions

Conversions Part 1

Format	Color
Hex	C9FF00
RGB	201, 255, 0
RGB Percent	79%, 100%, 0%
CMY	0.2118, 0.0000, 0.9997
CMYK	0.21, 0.00, 1.00, 0.00
HSL	73°, 100%, 50%
HSV	73°, 100%, 100%
XYZ	59.8478, 83.9375, 13.0486
YIQ	209.7840, 49.6710, -90.7530

Conversions

Conversions Part 2

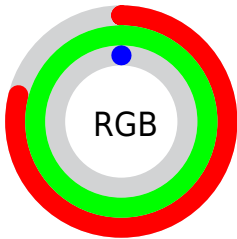
Format	Color
RYB	0, 255, 54
Decimal	13238016
CIELab	93.42, -43.10, 90.06
CIElCh	93, 99.837, 115.574
Yxy	83.9375, 0.3816, 0.5352
Android (android.graphics.Color)	4291428096 (0xFFC9FF00)
YUV	209.7840, -103.4235, -7.7036
Hunter-Lab	91.6174, -43.7278, 55.6878

Details

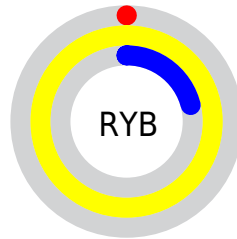
The Yxy color **83.9375, 0.3816, 0.5352** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **8.0085, 0.1595, 0.0653**, and the grayscale version is **64.9737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **46.0509, 0.3691, 0.5451** is the 20% darker color. If you saturate the color by 10%, you get **83.9350, 0.3816, 0.5352**, and if you desaturate by 10%, it is **84.7722, 0.3836, 0.5287**.

Distribution



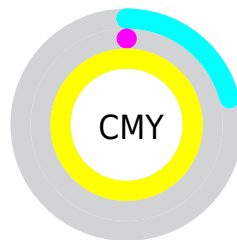
- Red (79%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (21%)



- Cyan (21%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9375, 0.3816, 0.5352 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 83.9375, 0.3816, 0.5352 by changing the saturation by 10% instead.


 83.9375, 0.3816,
0.5352


 83.9375, 0.3816,
0.5352

 508.1057, 0.3616,
0.4440

 62.9638, 0.3825,
0.5531


 138.8877, 0.3776,
0.5056

 45.8120, 0.3818,
0.5733


 173.6331, 0.3752,
0.4934

 32.0975, 0.3782,
0.5958


 213.7378, 0.3727,
0.4827

 21.4359, 0.3719,
0.6239

 259.5863, 0.3703,
0.4731

 13.4430, 0.3535,
0.6465

 311.5630, 0.3679,
0.4646

 7.7343, 0.3254,
0.6746

 370.0521, 0.3657,

 3.9254, 0.2833,

0.4570

0.7167

435.4382, 0.3636,
0.4502

■ 1.6319, 0.1809,
0.8191

■ 0.3790, 0.0000,
1.0000

■ 83.9375, 0.3816,
0.5352

■ 83.9375, 0.3816,
0.5352


■ 83.9350, 0.3816,
0.5352


■ 84.7722, 0.3836,
0.5287


■ 85.7277, 0.3833,
0.5179


■ 86.8333, 0.3805,
0.5024


■ 88.1067, 0.3751,
0.4826

 89.5631, 0.3674,
0.4593

 91.2157, 0.3579,
0.4338

 93.0761, 0.3472,
0.4070

 95.1553, 0.3358,
0.3801

 97.4632, 0.3242,
0.3539

Harmonies

Analogous

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



83.9375, 0.4723, 0.4734



83.9375, 0.3816, 0.5352



83.9375, 0.2799, 0.5238

Triad

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



83.9375, 0.3816, 0.5352



83.9375, 0.1330, 0.2051



83.9375, 0.4311, 0.2554

Complementary

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



83.9375, 0.3816, 0.5352



8.0085, 0.1595, 0.0653

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.



83.9375, 0.3126, 0.2029



83.9375, 0.3816, 0.5352



83.9375, 0.1563, 0.1728

Square

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



83.9375, 0.3816, 0.5352



83.9375, 0.1429, 0.2839



83.9375, 0.2150, 0.1740



83.9375, 0.5170, 0.3220

Rectangle

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



83.9375, 0.3816, 0.5352



83.9375, 0.2181, 0.4566



83.9375, 0.2150, 0.1740



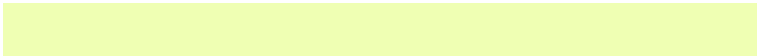
83.9375, 0.3921, 0.2358

Sweetspot

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



83.9377, 0.3816, 0.5352



93.0695, 0.3472, 0.4071



23.6339, 0.6204, 0.3456



19.7473, 0.3518, 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.



83.9377, 0.3816, 0.5352



83.9350, 0.3816, 0.5352



73.0797, 0.3130, 0.5897



20.8851, 0.3236, 0.3527



43.9249, 0.3822, 0.5347



4.3230, 0.3867, 0.5312

Inverse Universe

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



8.0085, 0.1595, 0.0653



8.0048, 0.1595, 0.0652



16.7492, 0.2449, 0.1123



17.5631, 0.3012, 0.3046



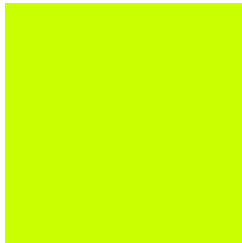
4.2341, 0.1607, 0.0659



0.4568, 0.1708, 0.0715

Previews

White Background



This preview shows how the Yxy color 83.9375, 0.3816, 0.5352 looks on a white background.

Color Contrast Check

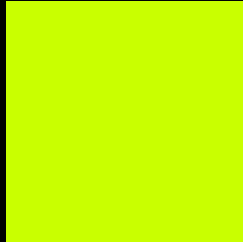
Large Text (above 18pt) WCAG AA × Fail

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 83.9375, 0.3816, 0.5352 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 83.9375, 0.3816, 0.5352

Background



This preview shows how black text looks on a background with the Yxy color 83.9375, 0.3816, 0.5352.



This preview shows how white text looks on a background with the Yxy color 83.9375, 0.3816, 0.5352.

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

83.9375, 0.3816, 0.5352

Protanopia

83.4208, 0.3822, 0.4159

Deuteranopia

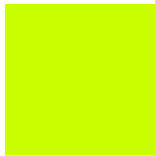
83.2375, 0.3486, 0.3593



Tritanopia

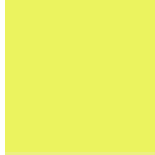
83.4763, 0.2930, 0.3105

Trichromacy



Original Color

83.9375, 0.3816, 0.5352



Protanomaly

82.5896, 0.3927, 0.4743



Deuteranomaly

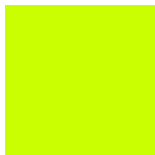
81.5673, 0.3775, 0.4438



Tritanomaly

81.7571, 0.3429, 0.4191

Monochromacy



Original Color

83.9375, 0.3816, 0.5352



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

69.3793, 0.3587, 0.4349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9375, 0.3816, 0.5352 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(201, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 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(201, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 83.9375, 0.3816, 0.5352 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(201, 255, 0) }
```

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

```
.border{ border-color:rgb(201, 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(201, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9375, 0.3816, 0.5352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 0) }
```

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

```
.background{ background-color: rgb(201,  
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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