

Converting Colors

$Y_{xy}(83.3010, 0.3770, 0.5355)$

Have a look what the booklet for
Yxy(83.3010, 0.3770, 0.5355)
contains.

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Color

Yxy(83.3028, 0.3770, 0.5355)

Conversions

Conversions Part 1

Format	Color
Hex	C4FF13
RGB	196, 255, 19
RGB Percent	77%, 100%, 7%
CMY	0.2313, 0.0000, 0.9247
CMYK	0.23, 0.00, 0.92, 0.00
HSL	75°, 100%, 54%
HSV	75°, 92%, 100%
XYZ	58.6464, 83.3028, 13.6116
YIQ	210.4550, 40.5920, -85.9040

Conversions

Conversions Part 2

Format	Color
RYB	19, 255, 78
Decimal	12910355
CIELab	93.15, -44.79, 88.18
CIELCh	93, 98.906, 116.929
Yxy	83.3028, 0.3770, 0.5355
Android (android.graphics.Color)	4291100435 (0xFFC4FF13)
YUV	210.4550, -94.3873, -12.6770
Hunter-Lab	91.2704, -45.0267, 55.0471

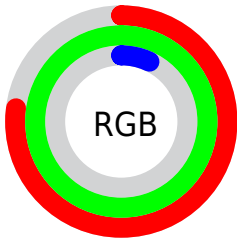
Details

The Yxy color **83.3028, 0.3770, 0.5355** is a light color, and the websafe version is hex **CCFF00**.

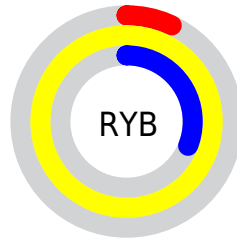
The color can be described as light washed yellow. A complement of this color would be **9.3194, 0.1701, 0.0739**, and the grayscale version is **65.3945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **45.6224, 0.3649, 0.5485** is the 20% darker color. If you saturate the color by 10%, you get **82.6240, 0.3749, 0.5406**, and if you desaturate by 10%, it is **84.3184, 0.3780, 0.5252**.

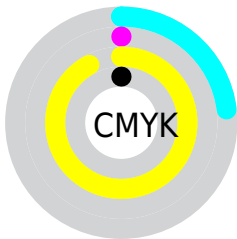
Distribution



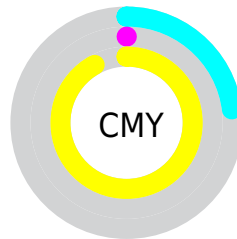
- Red (77%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (31%)



- Cyan (23%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3028, 0.3770, 0.5355 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 83.3028, 0.3770, 0.5355 by changing the saturation by 10% instead.


 83.3028, 0.3770,
0.5355

 83.3028, 0.3770,
0.5355

505.9951, 0.3587,
0.4432


 62.4400, 0.3777,
0.5539


 137.9995, 0.3734,
0.5053

 45.3883, 0.3767,
0.5748


 172.6021, 0.3712,
0.4930


 31.7634, 0.3728,
0.5983


 212.5535, 0.3690,
0.4821

 21.1808, 0.3657,
0.6272

 258.2380, 0.3667,
0.4725

 13.2563, 0.3474,
0.6526

 310.0400, 0.3646,
0.4639

 7.6052, 0.3179,
0.6821


 368.3439, 0.3625,


 3.8434, 0.2736,


0.4563


0.7264


433.5342, 0.3605,
0.4494


 1.5864, 0.1545,
0.8455


 0.3484, 0.0000,
1.0000


 83.3028, 0.3770,
0.5355

 83.3028, 0.3770,
0.5355

 82.6240, 0.3749,
0.5406

 84.3184, 0.3780,
0.5252

 85.4865, 0.3765,
0.5101

 86.8286, 0.3724,
0.4905

 88.3604, 0.3659,
0.4672

90.0957, 0.3575,
0.4415

92.0467, 0.3478,
0.4144

94.2247, 0.3372,
0.3871

96.6400, 0.3263,
0.3605

99.3021, 0.3154,
0.3350

Harmonies

Analogous

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



83.3028, 0.4681, 0.4762



83.3028, 0.3770, 0.5355



83.3028, 0.2759, 0.5191

Triad

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



83.3028, 0.3770, 0.5355



83.3028, 0.1342, 0.2035



83.3028, 0.4354, 0.2586

Complementary

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



83.3028, 0.3770, 0.5355



9.3194, 0.1701, 0.0739

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.



83.3028, 0.3178, 0.2055



83.3028, 0.3770, 0.5355



83.3028, 0.1590, 0.1730

Square

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



83.3028, 0.3770, 0.5355



83.3028, 0.1426, 0.2796



83.3028, 0.2192, 0.1755



83.3028, 0.5178, 0.3254

Rectangle

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



83.3028, 0.3770, 0.5355



83.3028, 0.2150, 0.4499



83.3028, 0.2192, 0.1755



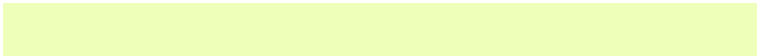
83.3028, 0.3970, 0.2388

Sweetspot

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



83.3053, 0.3770, 0.5355



92.9925, 0.3431, 0.4022



26.7768, 0.5931, 0.3602



19.7088, 0.3476, 0.4140



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.



83.3053, 0.3770, 0.5355



82.6240, 0.3749, 0.5406



73.1934, 0.3125, 0.5859



20.8485, 0.3230, 0.3528



43.2470, 0.3756, 0.5400



4.2623, 0.3808, 0.5358

Inverse Universe

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



9.3194, 0.1701, 0.0739



8.3029, 0.1630, 0.0672



19.4344, 0.2621, 0.1240



17.5972, 0.3018, 0.3047



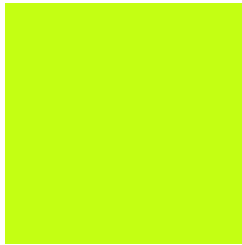
4.3971, 0.1643, 0.0679



0.4770, 0.1753, 0.0739

Previews

White Background



This preview shows how the Yxy color 83.3028, 0.3770, 0.5355 looks on a white background.

Color Contrast Check

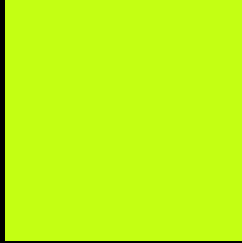
Large Text (above 18pt) WCAG AA × Fail

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 83.3028, 0.3770, 0.5355 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 83.3028, 0.3770, 0.5355

Background



This preview shows how black text looks on a background with the Yxy color 83.3028, 0.3770, 0.5355.



This preview shows how white text looks on a background with the Yxy color 83.3028, 0.3770, 0.5355.

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

83.3028, 0.3770, 0.5355

Protanopia

82.6297, 0.3869, 0.4216

Deuteranopia

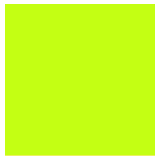
82.5820, 0.3501, 0.3603



Tritanopia

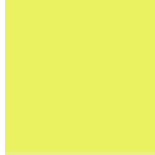
82.8484, 0.2905, 0.3104

Trichromacy



Original Color

83.3028, 0.3770, 0.5355



Protanomaly

81.8598, 0.3916, 0.4725



Deuteranomaly

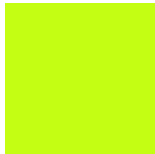
81.5338, 0.3740, 0.4394



Tritanomaly

81.4148, 0.3360, 0.4121

Monochromacy



Original Color

83.3028, 0.3770, 0.5355



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

69.2949, 0.3529, 0.4276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3028, 0.3770, 0.5355 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(196, 255, 19)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 19)  
}
```

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(196, 255, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 19) }
```

Border

The CSS property to change the border of an element to Yxy 83.3028, 0.3770, 0.5355 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(196, 255, 19) }
```

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

```
.border{ border-color:rgb(196, 255, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 19);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3028, 0.3770, 0.5355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 19) }
```

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

```
.background{ background-color: rgb(196,  
255, 19) }
```

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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