

Converting Colors

$Y_{xy}(100.0000, 0.3671, 0.5438)$

Have a look what the booklet for
Yxy(100.0000, 0.3671, 0.5438)
contains.

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Color

Yxy(83.7126, 0.3790, 0.5337)

Conversions

Conversions Part 1

Format	Color
Hex	C7FF14
RGB	199, 255, 20
RGB Percent	78%, 100%, 8%
CMY	0.2195, 0.0000, 0.9209
CMYK	0.22, 0.00, 0.92, 0.00
HSL	74°, 100%, 54%
HSV	74°, 92%, 100%
XYZ	59.4474, 83.7126, 13.6933
YIQ	211.4660, 42.0590, -84.9570

Conversions

Conversions Part 2

Format	Color
R _{YB}	20, 255, 76
Decimal	13106964
CIE Lab	93.33, -43.63, 88.29
CIE LCh	93, 98.483, 116.299
Yxy	83.7126, 0.3790, 0.5337
Android (android.graphics.Color)	4291297044 (0xFFC7FF14)
YUV	211.4660, -94.3927, -10.9327
Hunter-Lab	91.4946, -44.1375, 55.1727

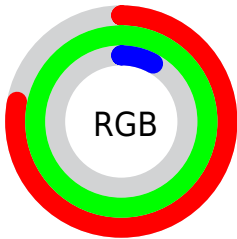
Details

The Yxy color **83.7126, 0.3790, 0.5337** is a light color, and the websafe version is hex **CCFF00**.

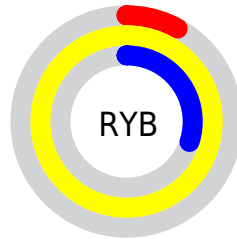
The color can be described as light washed yellow. A complement of this color would be **9.2677, 0.1692, 0.0737**, and the grayscale version is **66.1013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7001, 0.3986, 0.4709**, and **45.8771, 0.3674, 0.5465** is the 20% darker color. If you saturate the color by 10%, you get **83.0181, 0.3769, 0.5389**, and if you desaturate by 10%, it is **84.7080, 0.3798, 0.5235**.

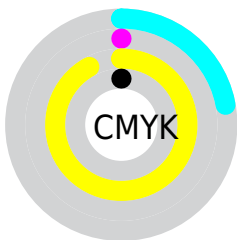
Distribution



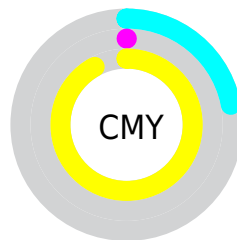
- Red (78%)
- Green (100%)
- Blue (8%)



- Red (8%)
- Yellow (100%)
- Blue (30%)



- Cyan (22%)
- Magenta (0%)
- Yellow (92%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7126, 0.3790, 0.5337 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 83.7126, 0.3790, 0.5337 by changing the saturation by 10% instead.


 83.7126, 0.3790,
0.5337


 83.7126, 0.3790,
0.5337


507.3584, 0.3597,
0.4425


 62.7782, 0.3799,
0.5518

 138.5731, 0.3751,
0.5040


 45.6618, 0.3792,
0.5724

 173.2679, 0.3728,
0.4918


 31.9790, 0.3757,
0.5954


 213.3184, 0.3704,
0.4810

 21.3455, 0.3691,
0.6235

 259.1088, 0.3681,
0.4715

 13.3768, 0.3516,
0.6484

 311.0236, 0.3658,
0.4631

 7.6885, 0.3230,
0.6770

 369.4472, 0.3637,

 3.8963, 0.2802,

0.4555

0.7198

434.7640, 0.3616,
0.4487

■ 1.6157, 0.1726,
0.8274

■ 0.3682, 0.0000,
1.0000

■ 83.7126, 0.3790,
0.5337

■ 83.7126, 0.3790,
0.5337

■ 83.0181, 0.3769,
0.5389

■ 84.7080, 0.3798,
0.5235

■ 85.8522, 0.3779,
0.5084

■ 87.1676, 0.3735,
0.4889

■ 88.6699, 0.3667,
0.4657

90.3728, 0.3581,
0.4401

92.2885, 0.3481,
0.4132

94.4279, 0.3372,
0.3860

96.8014, 0.3261,
0.3594

99.4185, 0.3150,
0.3341

Harmonies

Analogous

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



83.7126, 0.4692, 0.4742



83.7126, 0.3790, 0.5337



83.7126, 0.2783, 0.5193

Triad

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



83.7126, 0.3790, 0.5337



83.7126, 0.1348, 0.2053



83.7126, 0.4324, 0.2577

Complementary

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



83.7126, 0.3790, 0.5337



9.2677, 0.1692, 0.0737

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.



83.7126, 0.3154, 0.2052



83.7126, 0.3790, 0.5337



83.7126, 0.1588, 0.1740

Square

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



83.7126, 0.3790, 0.5337



83.7126, 0.1439, 0.2822



83.7126, 0.2180, 0.1758



83.7126, 0.5157, 0.3241

Rectangle

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



83.7126, 0.3790, 0.5337



83.7126, 0.2173, 0.4517



83.7126, 0.2180, 0.1758



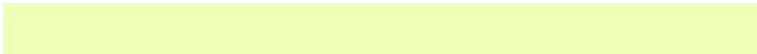
83.7126, 0.3940, 0.2381

Sweetspot

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



83.7164, 0.3790, 0.5337



93.1384, 0.3437, 0.4020



26.3371, 0.5957, 0.3576



19.7443, 0.3483, 0.4138



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.



83.7164, 0.3790, 0.5337



83.0200, 0.3769, 0.5389



73.3988, 0.3140, 0.5844



20.8598, 0.3232, 0.3527



43.4518, 0.3776, 0.5383



4.2807, 0.3826, 0.5344

Inverse Universe

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



9.2677, 0.1692, 0.0737



8.2048, 0.1619, 0.0665



18.9815, 0.2585, 0.1222



17.5867, 0.3016, 0.3047



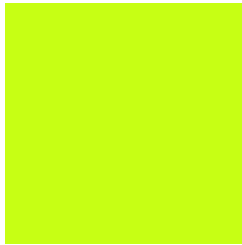
4.3437, 0.1631, 0.0672



0.4705, 0.1738, 0.0731

Previews

White Background



This preview shows how the Yxy color 83.7126, 0.3790, 0.5337 looks on a white background.

Color Contrast Check

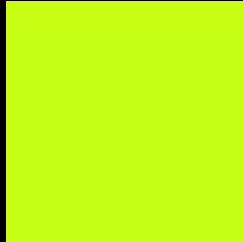
Large Text (above 18pt) WCAG AA × Fail

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 83.7126, 0.3790, 0.5337 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 83.7126, 0.3790, 0.5337

Background



This preview shows how black text looks on a background with the Yxy color 83.7126, 0.3790, 0.5337.

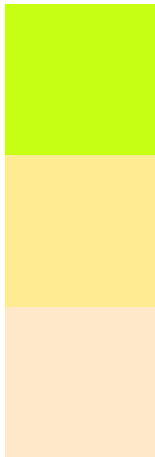


This preview shows how white text looks on a background with the Yxy color 83.7126, 0.3790, 0.5337.

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

83.7126, 0.3790, 0.5337

Protanopia

82.7520, 0.3844, 0.4178

Deuteranopia

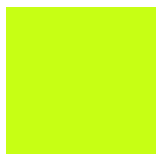
82.6289, 0.3494, 0.3593



Tritanopia

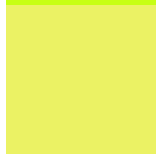
83.3180, 0.2924, 0.3105

Trichromacy



Original Color

83.7126, 0.3790, 0.5337



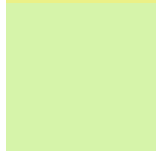
Protanomaly

82.0865, 0.3910, 0.4699



Deuteranomaly

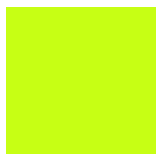
81.7316, 0.3741, 0.4381



Tritanomaly

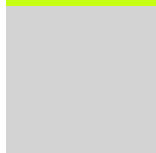
81.8998, 0.3375, 0.4105

Monochromacy



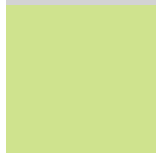
Original Color

83.7126, 0.3790, 0.5337



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

70.1566, 0.3535, 0.4270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7126, 0.3790, 0.5337 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, 255, 20)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 20)  
}
```

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, 255, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 20) }
```

Border

The CSS property to change the border of an element to Yxy 83.7126, 0.3790, 0.5337 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, 255, 20) }
```

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

```
.border{ border-color:rgb(199, 255, 20) }
```

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

Here you see how a box with a 4 pixel rgb(199, 255, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 20);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7126, 0.3790, 0.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 20) }
```

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

```
.background{ background-color: rgb(199,  
255, 20) }
```

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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