

Converting Colors

$Yxy(83.7122, 0.3792, 0.5342)$

Have a look what the booklet for
Yxy(83.7122, 0.3792, 0.5342)
contains.

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Color

Yxy(83.7026, 0.3792, 0.5343)

Conversions

Conversions Part 1

Format	Color
Hex	C7FF11
RGB	199, 255, 17
RGB Percent	78%, 100%, 7%
CMY	0.2198, 0.0000, 0.9337
CMYK	0.22, 0.00, 0.93, 0.00
HSL	74°, 100%, 53%
HSV	74°, 93%, 100%
XYZ	59.4049, 83.7026, 13.5510
YIQ	211.1240, 43.0220, -85.8900

Conversions

Conversions Part 2

Format	Color
RYB	17, 255, 73
Decimal	13106961
CIELab	93.32, -43.72, 88.63
CIElCh	93, 98.826, 116.255
Yxy	83.7026, 0.3792, 0.5343
Android (android.graphics.Color)	4291297041 (0xFFC7FF11)
YUV	211.1240, -95.7031, -10.6327
Hunter-Lab	91.4891, -44.2040, 55.2606

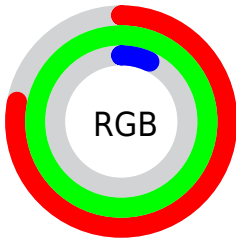
Details

The Yxy color **83.7026, 0.3792, 0.5343** is a light color, and the websafe version is hex **CCFF00**.

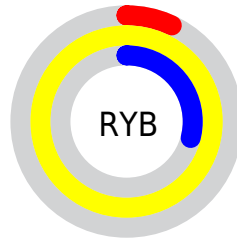
The color can be described as light washed yellow. A complement of this color would be **9.0332, 0.1676, 0.0721**, and the grayscale version is **65.8354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6809, 0.3990, 0.4716**, and **45.8771, 0.3674, 0.5465** is the 20% darker color. If you saturate the color by 10%, you get **83.1185, 0.3774, 0.5385**, and if you desaturate by 10%, it is **84.6632, 0.3802, 0.5247**.

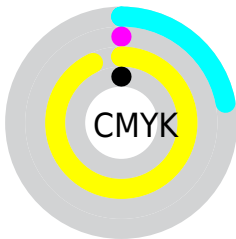
Distribution



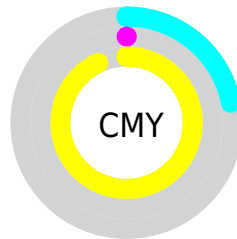
- Red (78%)
- Green (100%)
- Blue (7%)



- Red (7%)
- Yellow (100%)
- Blue (29%)



- Cyan (22%)
- Magenta (0%)
- Yellow (93%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.7026, 0.3792, 0.5343 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 83.7026, 0.3792, 0.5343 by changing the saturation by 10% instead.


 83.7026, 0.3792,
0.5343


 83.7026, 0.3792,
0.5343


507.3251, 0.3600,
0.4429


 62.7699, 0.3801,
0.5524

 138.5591, 0.3753,
0.5045


 45.6551, 0.3793,
0.5730

 173.2517, 0.3730,
0.4923


 31.9737, 0.3758,
0.5960

 213.2997, 0.3706,
0.4815

 21.3414, 0.3691,
0.6242

 259.0876, 0.3683,
0.4720

 13.3738, 0.3513,
0.6487

 310.9996, 0.3660,
0.4635

 7.6865, 0.3227,
0.6773


 369.4203, 0.3639,


 3.8950, 0.2797,


0.4559


0.7203


434.7340, 0.3619,
0.4491


 1.6150, 0.1716,
0.8284

 0.3677, 0.0000,
1.0000


 83.7026, 0.3792,
0.5343


 83.7026, 0.3792,
0.5343

 83.1185, 0.3774,
0.5385

 84.6632, 0.3802,
0.5247

 85.7793, 0.3787,
0.5103

 87.0637, 0.3745,
0.4914

 88.5324, 0.3680,
0.4687

90.1991, 0.3595,
0.4434

92.0763, 0.3496,
0.4166

94.1751, 0.3388,
0.3894

96.5058, 0.3276,
0.3628

99.0781, 0.3164,
0.3372

Harmonies

Analogous

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



83.7026, 0.4697, 0.4744



83.7026, 0.3792, 0.5343



83.7026, 0.2782, 0.5202

Triad

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



83.7026, 0.3792, 0.5343



83.7026, 0.1343, 0.2049



83.7026, 0.4326, 0.2574

Complementary

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



83.7026, 0.3792, 0.5343



9.0332, 0.1676, 0.0721

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.



83.7026, 0.3152, 0.2048



83.7026, 0.3792, 0.5343



83.7026, 0.1583, 0.1736

Square

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



83.7026, 0.3792, 0.5343



83.7026, 0.1435, 0.2821



83.7026, 0.2176, 0.1754



83.7026, 0.5163, 0.3239

Rectangle

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



83.7026, 0.3792, 0.5343



83.7026, 0.2171, 0.4524



83.7026, 0.2176, 0.1754



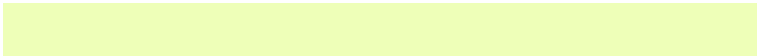
83.7026, 0.3941, 0.2377

Sweetspot

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



83.6961, 0.3792, 0.5343



93.1744, 0.3438, 0.4020



25.9957, 0.5991, 0.3565



19.7531, 0.3484, 0.4137



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.



83.6961, 0.3792, 0.5343



83.1185, 0.3774, 0.5385



73.2833, 0.3134, 0.5858



20.8626, 0.3233, 0.3527



43.5028, 0.3781, 0.5379



4.2853, 0.3831, 0.5341

Inverse Universe

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



9.0332, 0.1676, 0.0721



8.1815, 0.1616, 0.0664



18.7610, 0.2576, 0.1212



17.5841, 0.3015, 0.3047



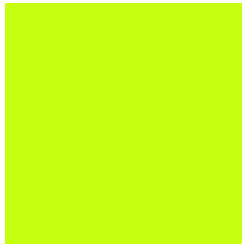
4.3310, 0.1629, 0.0671



0.4689, 0.1735, 0.0729

Previews

White Background



This preview shows how the Yxy color 83.7026, 0.3792, 0.5343 looks on a white background.

Color Contrast Check

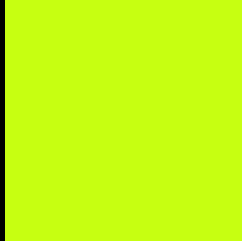
Large Text (above 18pt) WCAG AA × Fail

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 83.7026, 0.3792, 0.5343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

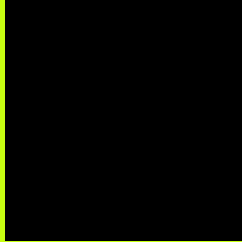
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.7026, 0.3792, 0.5343

Background



This preview shows how black text looks on a background with the Yxy color 83.7026, 0.3792, 0.5343.

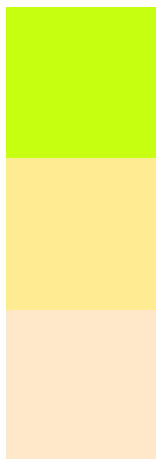


This preview shows how white text looks on a background with the Yxy color 83.7026, 0.3792, 0.5343.

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

83.7026, 0.3792, 0.5343

Protanopia

82.7520, 0.3844, 0.4178

Deuteranopia

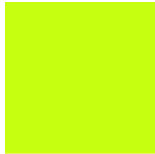
82.6289, 0.3494, 0.3593



Tritanopia

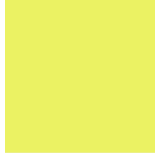
83.1605, 0.2918, 0.3105

Trichromacy



Original Color

83.7026, 0.3792, 0.5343



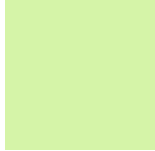
Protanomaly

82.0673, 0.3915, 0.4706



Deuteranomaly

81.7036, 0.3747, 0.4391



Tritanomaly

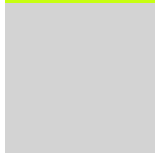
81.6747, 0.3380, 0.4129

Monochromacy



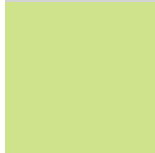
Original Color

83.7026, 0.3792, 0.5343



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

70.0970, 0.3547, 0.4292

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7026, 0.3792, 0.5343 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, 17)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 17)  
}
```

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, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 17) }
```

Border

The CSS property to change the border of an element to Yxy 83.7026, 0.3792, 0.5343 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, 17) }
```

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

```
.border{ border-color:rgb(199, 255, 17) }
```

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, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 17);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7026, 0.3792, 0.5343 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, 17) }
```

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

```
.background{ background-color: rgb(199,  
255, 17) }
```

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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