

Converting Colors

$Yxy(83.3937, 0.3771, 0.5345)$

Have a look what the booklet for
Yxy(83.3937, 0.3771, 0.5345)
contains.

Yxy(83.4522, 0.3773, 0.5342)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.4522, 0.3773, 0.5342)

Conversions

Conversions Part 1

Format	Color
Hex	C5FF17
RGB	197, 255, 23
RGB Percent	77%, 100%, 9%
CMY	0.2275, 0.0000, 0.9087
CMYK	0.23, 0.00, 0.91, 0.00
HSL	75°, 100%, 55%
HSV	75°, 91%, 100%
XYZ	58.9414, 83.4522, 13.8254
YIQ	211.2100, 39.9040, -84.4480

Conversions

Conversions Part 2

Format	Color
R _Y B	23, 255, 81
Decimal	12975895
CIE Lab	93.21, -44.36, 87.77
CIE LCh	93, 98.346, 116.812
Yxy	83.4522, 0.3773, 0.5342
Android (android.graphics.Color)	4291165975 (0xFFC5FF17)
YUV	211.2100, -92.7875, -12.4622
Hunter-Lab	91.3522, -44.6961, 54.9735

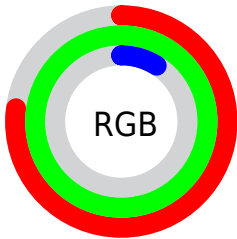
Details

The Yxy color **83.4522, 0.3773, 0.5342** is a light color, and the websafe version is hex **CCFF00**.

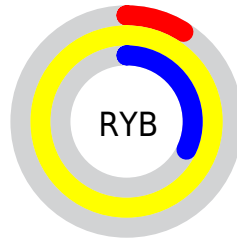
The color can be described as light washed yellow. A complement of this color would be **9.6057, 0.1719, 0.0758**, and the grayscale version is **65.9132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7196, 0.3982, 0.4703**, and **45.7065, 0.3657, 0.5478** is the 20% darker color. If you saturate the color by 10%, you get **82.6179, 0.3748, 0.5406**, and if you desaturate by 10%, it is **84.4893, 0.3780, 0.5231**.

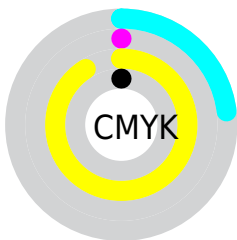
Distribution



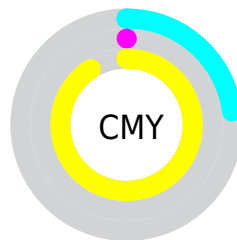
- Red (77%)
- Green (100%)
- Blue (9%)



- Red (9%)
- Yellow (100%)
- Blue (32%)



- Cyan (23%)
- Magenta (0%)
- Yellow (91%)
- Black (0%)




- Cyan (23%)
- Magenta (0%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4522, 0.3773, 0.5342 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 83.4522, 0.3773, 0.5342 by changing the saturation by 10% instead.


 83.4522, 0.3773,
0.5342


 83.4522, 0.3773,
0.5342


506.4923, 0.3587,
0.4425

 62.5633, 0.3781,
0.5525


 138.2086, 0.3736,
0.5042


 45.4880, 0.3773,
0.5733


 172.8449, 0.3714,
0.4919

 31.8420, 0.3736,
0.5968


 212.8324, 0.3691,
0.4811

 21.2408, 0.3666,
0.6252

 258.5556, 0.3668,
0.4716

 13.3001, 0.3490,
0.6510

 310.3987, 0.3646,
0.4631

 7.6356, 0.3198,
0.6802

 368.7463, 0.3625,


 3.8626, 0.2761,

0.4555

0.7239


433.9827, 0.3606,
0.4487


 1.5970, 0.1614,
0.8386

 0.3556, 0.0000,
1.0000


 83.4522, 0.3773,
0.5342


 83.4522, 0.3773,
0.5342

 82.6179, 0.3748,
0.5406

 84.4893, 0.3780,
0.5231

 85.6845, 0.3760,
0.5073


 87.0565, 0.3715,
0.4870


 88.6206, 0.3647,
0.4632

 90.3903, 0.3560,
0.4372

 92.3776, 0.3461,
0.4100

 94.5937, 0.3355,
0.3828

 97.0487, 0.3245,
0.3563

 99.7521, 0.3137,
0.3311

Harmonies

Analogous

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



83.4522, 0.4678, 0.4754



83.4522, 0.3773, 0.5342



83.4522, 0.2766, 0.5180

Triad

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



83.4522, 0.3773, 0.5342



83.4522, 0.1350, 0.2044



83.4522, 0.4342, 0.2588

Complementary

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



83.4522, 0.3773, 0.5342



9.6057, 0.1719, 0.0758

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.



83.4522, 0.3174, 0.2059



83.4522, 0.3773, 0.5342



83.4522, 0.1595, 0.1738

Square

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



83.4522, 0.3773, 0.5342



83.4522, 0.1435, 0.2804



83.4522, 0.2194, 0.1762



83.4522, 0.5164, 0.3253

Rectangle

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



83.4522, 0.3773, 0.5342



83.4522, 0.2160, 0.4495



83.4522, 0.2194, 0.1762



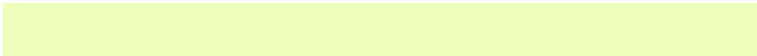
83.4522, 0.3960, 0.2391

Sweetspot

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



83.4523, 0.3773, 0.5342



93.2080, 0.3421, 0.3994



27.2386, 0.5887, 0.3615



19.7932, 0.3457, 0.4088



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.



83.4523, 0.3773, 0.5342



82.6179, 0.3748, 0.5406



73.3415, 0.3132, 0.5840



20.8484, 0.3230, 0.3528



43.2439, 0.3756, 0.5400



4.2620, 0.3808, 0.5359

Inverse Universe

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



9.6057, 0.1719, 0.0758



8.3044, 0.1630, 0.0672



19.7234, 0.2631, 0.1253



17.5974, 0.3018, 0.3047



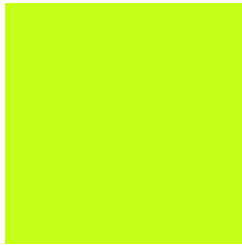
4.3980, 0.1644, 0.0679



0.4771, 0.1753, 0.0739

Previews

White Background



This preview shows how the Yxy color 83.4522, 0.3773, 0.5342 looks on a white background.

Color Contrast Check

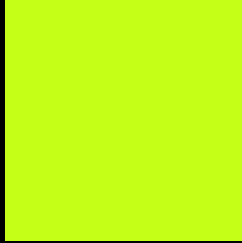
Large Text (above 18pt) WCAG AA × Fail

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 83.4522, 0.3773, 0.5342 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 83.4522, 0.3773, 0.5342

Background



This preview shows how black text looks on a background with the Yxy color 83.4522, 0.3773, 0.5342.

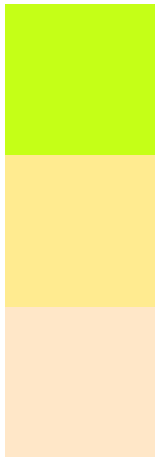


This preview shows how white text looks on a background with the Yxy color 83.4522, 0.3773, 0.5342.

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

83.4522, 0.3773, 0.5342

Protanopia

82.6903, 0.3857, 0.4197

Deuteranopia

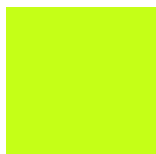
82.5820, 0.3501, 0.3603



Tritanopia

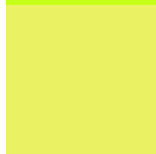
83.0040, 0.2912, 0.3104

Trichromacy



Original Color

83.4522, 0.3773, 0.5342



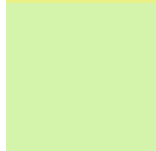
Protanomaly

81.9168, 0.3903, 0.4703



Deuteranomaly

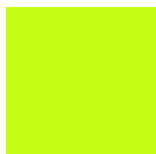
81.5902, 0.3728, 0.4375



Tritanomaly

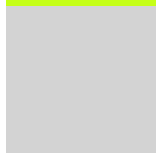
81.6387, 0.3355, 0.4097

Monochromacy



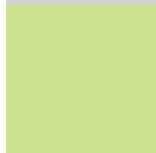
Original Color

83.4522, 0.3773, 0.5342



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

70.0432, 0.3521, 0.4261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4522, 0.3773, 0.5342 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(197, 255, 23)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 23)  
}
```

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(197, 255, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 23) }
```

Border

The CSS property to change the border of an element to Yxy 83.4522, 0.3773, 0.5342 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(197, 255, 23) }
```

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

```
.border{ border-color:rgb(197, 255, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 23);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
23) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4522, 0.3773, 0.5342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 23) }
```

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

```
.background{ background-color: rgb(197,  
255, 23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor