

Converting Colors

Yxy(83.4887, 0.3774, 0.5339)

Have a look what the booklet for
Yxy(83.4887, 0.3774, 0.5339)
contains.

Yxy(83.4563, 0.3772, 0.5340)	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(83.4563, 0.3772, 0.5340)

Conversions

Conversions Part 1

Format	Color
Hex	C5FF18
RGB	197, 255, 24
RGB Percent	77%, 100%, 9%
CMY	0.2275, 0.0000, 0.9049
CMYK	0.23, 0.00, 0.90, 0.00
HSL	75°, 100%, 55%
HSV	75°, 90%, 100%
XYZ	58.9508, 83.4563, 13.8781
YIQ	211.3240, 39.5830, -84.1370

Conversions

Conversions Part 2

Format	Color
R _Y B	24, 255, 82
Decimal	12975896
CIE Lab	93.21, -44.35, 87.65
CIE LCh	93, 98.228, 116.837
Yxy	83.4563, 0.3772, 0.5340
Android (android.graphics.Color)	4291165976 (0xFFC5FF18)
YUV	211.3240, -92.3507, -12.5621
Hunter-Lab	91.3544, -44.6846, 54.9410

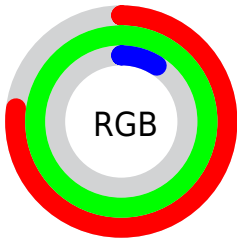
Details

The Yxy color **83.4563, 0.3772, 0.5340** is a light color, and the websafe version is hex **CCFF00**.

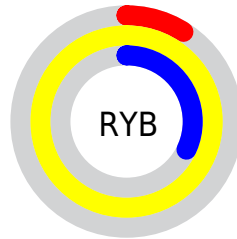
The color can be described as light washed yellow. A complement of this color would be **9.6888, 0.1725, 0.0764**, and the grayscale version is **65.9871, 0.3127, 0.3290**.

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 **82.5826, 0.3747, 0.5407**, and if you desaturate by 10%, it is **84.5008, 0.3778, 0.5227**.

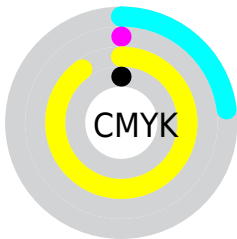
Distribution



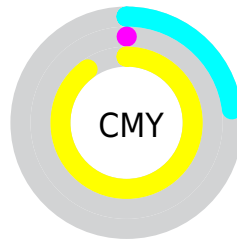
- Red (77%)
- Green (100%)
- Blue (9%)



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



- Cyan (23%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4563, 0.3772, 0.5340 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 83.4563, 0.3772, 0.5340 by changing the saturation by 10% instead.


 83.4563, 0.3772,
0.5340


 83.4563, 0.3772,
0.5340


506.5060, 0.3586,
0.4424


 62.5666, 0.3780,
0.5523

 138.2144, 0.3735,
0.5040

 45.4907, 0.3772,
0.5731


 172.8516, 0.3712,
0.4918


 31.8441, 0.3735,
0.5966


 212.8401, 0.3690,
0.4810

 21.2425, 0.3666,
0.6250

 258.5643, 0.3667,
0.4714

 13.3014, 0.3490,
0.6510

 310.4086, 0.3645,
0.4629

 7.6364, 0.3199,
0.6801


368.7574, 0.3624,


 3.8632, 0.2761,

0.4553

0.7239


433.9950, 0.3605,
0.4485

 1.5973, 0.1616,
0.8384


 0.3558, 0.0000,
1.0000

 83.4563, 0.3772,
0.5340

 83.4563, 0.3772,
0.5340

 82.5826, 0.3747,
0.5407

 84.5008, 0.3778,
0.5227


 85.7052, 0.3758,
0.5066


 87.0872, 0.3712,
0.4862

 88.6623, 0.3643,
0.4623

 90.4437, 0.3556,
0.4362

 92.4435, 0.3457,
0.4090

 94.6728, 0.3350,
0.3818

 97.1417, 0.3241,
0.3553

99.8598, 0.3132,
0.3302

Harmonies

Analogous

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



83.4563, 0.4677, 0.4754



83.4563, 0.3772, 0.5340



83.4563, 0.2766, 0.5177

Triad

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



83.4563, 0.3772, 0.5340



83.4563, 0.1351, 0.2045



83.4563, 0.4342, 0.2589

Complementary

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



83.4563, 0.3772, 0.5340



9.6888, 0.1725, 0.0764

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.



83.4563, 0.3175, 0.2061



83.4563, 0.3772, 0.5340



83.4563, 0.1597, 0.1740

Square

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



83.4563, 0.3772, 0.5340



83.4563, 0.1437, 0.2804



83.4563, 0.2195, 0.1763



83.4563, 0.5162, 0.3254

Rectangle

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



83.4563, 0.3772, 0.5340



83.4563, 0.2160, 0.4493



83.4563, 0.2195, 0.1763



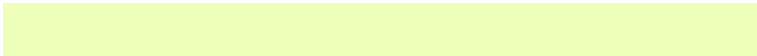
83.4563, 0.3960, 0.2392

Sweetspot

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



83.4558, 0.3772, 0.5340



93.1953, 0.3420, 0.3994



27.3517, 0.5877, 0.3619



19.7902, 0.3456, 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.



83.4558, 0.3772, 0.5340



82.5826, 0.3747, 0.5407



73.3779, 0.3133, 0.5836



20.8474, 0.3230, 0.3528



43.2256, 0.3754, 0.5401



4.2603, 0.3806, 0.5360

Inverse Universe

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



9.6888, 0.1725, 0.0764



8.3135, 0.1632, 0.0672



19.7959, 0.2634, 0.1257



17.5983, 0.3018, 0.3047



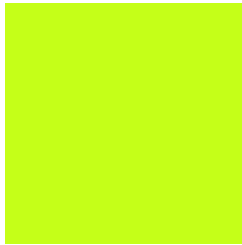
4.4029, 0.1645, 0.0680



0.4777, 0.1754, 0.0740

Previews

White Background



This preview shows how the Yxy color 83.4563, 0.3772, 0.5340 looks on a white background.

Color Contrast Check

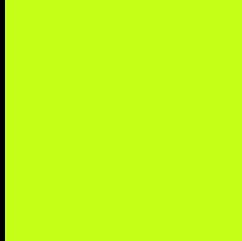
Large Text (above 18pt) WCAG AA × Fail

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 83.4563, 0.3772, 0.5340 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 83.4563, 0.3772, 0.5340

Background



This preview shows how black text looks on a background with the Yxy color 83.4563, 0.3772, 0.5340.

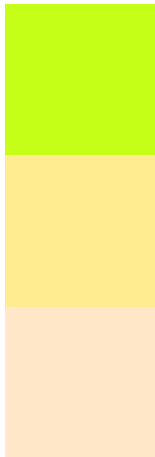


This preview shows how white text looks on a background with the Yxy color 83.4563, 0.3772, 0.5340.

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

83.4563, 0.3772, 0.5340

Protanopia

82.6903, 0.3857, 0.4197

Deuteranopia

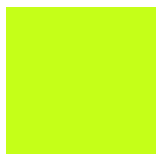
82.5820, 0.3501, 0.3603



Tritanopia

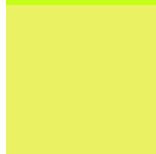
83.0040, 0.2912, 0.3104

Trichromacy



Original Color

83.4563, 0.3772, 0.5340



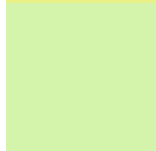
Protanomaly

81.9168, 0.3903, 0.4703



Deuteranomaly

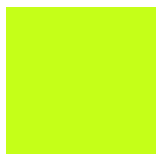
81.5902, 0.3728, 0.4375



Tritanomaly

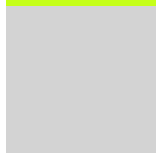
81.6387, 0.3355, 0.4097

Monochromacy



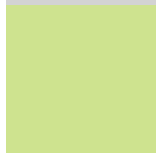
Original Color

83.4563, 0.3772, 0.5340



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 83.4563, 0.3772, 0.5340 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, 24)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 24)  
}
```

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, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 24) }
```

Border

The CSS property to change the border of an element to Yxy 83.4563, 0.3772, 0.5340 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, 24) }
```

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

```
.border{ border-color:rgb(197, 255, 24) }
```

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, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 24);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4563, 0.3772, 0.5340 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, 24) }
```

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

```
.background{ background-color: rgb(197,  
255, 24) }
```

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