

Converting Colors

Yxy(83.9288, 0.3601, 0.5015)

Have a look what the booklet for
Yxy(83.9288, 0.3601, 0.5015)
contains.

Yxy(83.8948, 0.3600, 0.5016)	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(83.8948, 0.3600, 0.5016)

Conversions

Conversions Part 1

Format	Color
Hex	C3FF5C
RGB	195, 255, 92
RGB Percent	76%, 100%, 36%
CMY	0.2350, 0.0000, 0.6391
CMYK	0.23, 0.00, 0.64, 0.00
HSL	82°, 100%, 68%
HSV	82°, 64%, 100%
XYZ	60.2116, 83.8948, 23.1480
YIQ	218.4780, 16.5630, -63.4130

Conversions

Conversions Part 2

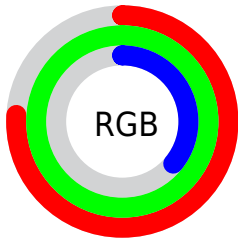
Format	Color
R _Y B	92, 255, 152
Decimal	12844892
CIE Lab	93.40, -42.15, 69.26
CIE LCh	93, 81.080, 121.323
Yxy	83.8948, 0.3600, 0.5016
Android (android.graphics.Color)	4291034972 (0xFFC3FF5C)
YUV	218.4780, -62.3537, -20.5902
Hunter-Lab	91.5941, -42.9484, 49.1319

Details

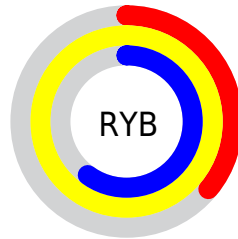
The Yxy color **83.8948, 0.3600, 0.5016** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **21.5462, 0.2271, 0.1406**, and the grayscale version is **70.9016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9499, 0.3750, 0.4320**, and **45.7904, 0.3621, 0.5398** is the 20% darker color. If you saturate the color by 10%, you get **82.3145, 0.3618, 0.5231**, and if you desaturate by 10%, it is **85.7110, 0.3559, 0.4765**.

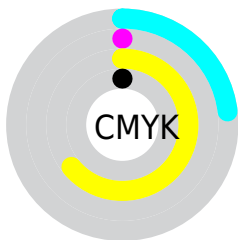
Distribution



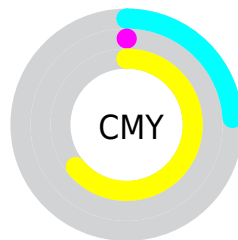
- Red (76%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (60%)



- Cyan (23%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8948, 0.3600, 0.5016 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 83.8948, 0.3600, 0.5016 by changing the saturation by 10% instead.


 83.8948, 0.3600,
0.5016


 83.8948, 0.3600,
0.5016


507.9638, 0.3446,
0.4216


 62.9286, 0.3615,
0.5189


 138.8280, 0.3562,
0.4744

 45.7834, 0.3623,
0.5396


 173.5638, 0.3543,
0.4636

 32.0750, 0.3616,
0.5643


 213.6582, 0.3524,
0.4543

 21.4188, 0.3579,
0.5938

 259.4957, 0.3506,
0.4461

 13.4304, 0.3500,
0.6317

311.4606, 0.3490,
0.4389

 7.7256, 0.3290,
0.6710

369.9373, 0.3474,

 3.9199, 0.2877,

0.4325

0.7123

435.3103, 0.3460,
0.4268

■ 1.6288, 0.1898,
0.8102

■ 0.3769, 0.0000,
1.0000

■ 83.8948, 0.3600,
0.5016

■ 83.8948, 0.3600,
0.5016

■ 82.3145, 0.3618,
0.5231

■ 85.7110, 0.3559,
0.4765

■ 80.9417, 0.3610,
0.5398

■ 87.7669, 0.3499,
0.4490

■ 79.7595, 0.3579,
0.5513

■ 90.0795, 0.3424,
0.4204

■ 79.1159, 0.3551,
0.5563

■ 92.6612, 0.3340,
0.3920

■ 95.5233, 0.3252,
0.3645

■ 98.6763, 0.3162,
0.3386

99.9939, 0.3127,
0.3290

Harmonies

Analogous

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



83.8948, 0.4386, 0.4670



83.8948, 0.3600, 0.5016



83.8948, 0.2737, 0.4703

Triad

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



83.8948, 0.3600, 0.5016



83.8948, 0.1604, 0.2184



83.8948, 0.4265, 0.2788

Complementary

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



83.8948, 0.3600, 0.5016



21.5462, 0.2271, 0.1406

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.



83.8948, 0.3323, 0.2294



83.8948, 0.3600, 0.5016



83.8948, 0.1870, 0.1944

Square

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



83.8948, 0.3600, 0.5016



83.8948, 0.1647, 0.2790



83.8948, 0.2452, 0.1995



83.8948, 0.4871, 0.3397

Rectangle

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



83.8948, 0.3600, 0.5016



83.8948, 0.2233, 0.4109



83.8948, 0.2452, 0.1995



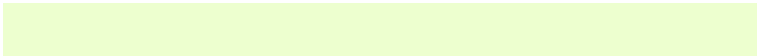
83.8948, 0.3967, 0.2606

Sweetspot

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



83.8985, 0.3600, 0.5016



94.0397, 0.3297, 0.3783



44.4146, 0.4743, 0.3875



19.9558, 0.3322, 0.3862



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.



83.8985, 0.3600, 0.5016



81.8760, 0.3618, 0.5288



75.8475, 0.3122, 0.5309



20.7374, 0.3212, 0.3529



41.4309, 0.3561, 0.5555



4.0960, 0.3633, 0.5498

Inverse Universe

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



21.5462, 0.2271, 0.1406



15.1247, 0.2066, 0.1080



32.2444, 0.2992, 0.1736



17.7029, 0.3036, 0.3048



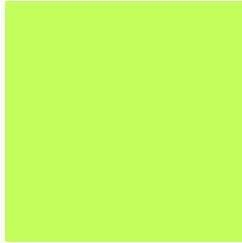
5.0865, 0.1792, 0.0761



0.5547, 0.1916, 0.0829

Previews

White Background



This preview shows how the Yxy color 83.8948, 0.3600, 0.5016 looks on a white background.

Color Contrast Check

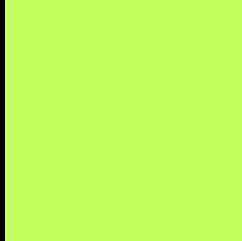
Large Text (above 18pt) WCAG AA × Fail

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 83.8948, 0.3600, 0.5016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

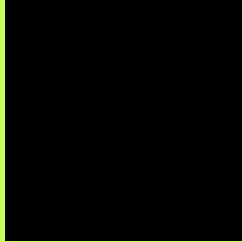
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.8948, 0.3600, 0.5016

Background



This preview shows how black text looks on a background with the Yxy color 83.8948, 0.3600, 0.5016.

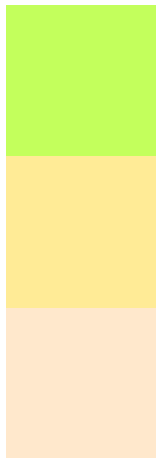


This preview shows how white text looks on a background with the Yxy color 83.8948, 0.3600, 0.5016.

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

83.8948, 0.3600, 0.5016

Protanopia

82.8787, 0.3820, 0.4141

Deuteranopia

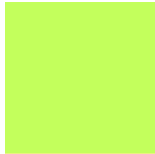
83.3329, 0.3472, 0.3572



Tritanopia

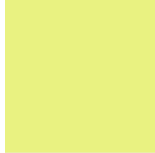
83.2745, 0.2900, 0.3114

Trichromacy



Original Color

83.8948, 0.3600, 0.5016



Protanomaly

82.4129, 0.3752, 0.4461



Deuteranomaly

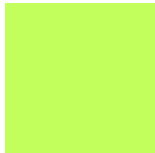
82.2882, 0.3561, 0.4105



Tritanomaly

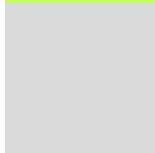
82.3885, 0.3193, 0.3818

Monochromacy



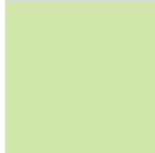
Original Color

83.8948, 0.3600, 0.5016



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.8320, 0.3358, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8948, 0.3600, 0.5016 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(195, 255, 92)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 92)  
}
```

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(195, 255, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 92) }
```

Border

The CSS property to change the border of an element to Yxy 83.8948, 0.3600, 0.5016 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(195, 255, 92) }
```

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

```
.border{ border-color:rgb(195, 255, 92) }
```

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

Here you see how a box with a 4 pixel rgb(195, 255, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 92);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8948, 0.3600, 0.5016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 92) }
```

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

```
.background{ background-color: rgb(195,  
255, 92) }
```

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