

Converting Colors

Yxy(81.0426, 0.3611, 0.5387)

Have a look what the booklet for
Yxy(81.0426, 0.3611, 0.5387)
contains.

Yxy(81.0415, 0.3611, 0.5387)	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(81.0415, 0.3611, 0.5387)

Conversions

Conversions Part 1

Format	Color
Hex	B1FF2B
RGB	177, 255, 43
RGB Percent	69%, 100%, 17%
CMY	0.3060, 0.0000, 0.8310
CMYK	0.31, 0.00, 0.83, 0.00
HSL	82°, 100%, 58%
HSV	82°, 83%, 100%
XYZ	54.3235, 81.0415, 15.0740
YIQ	207.5100, 21.5640, -82.4680

Conversions

Conversions Part 2

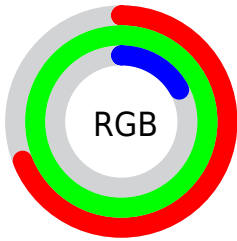
Format	Color
RYB	43, 255, 121
Decimal	11665195
CIELab	92.15, -51.22, 83.00
CIELCh	92, 97.536, 121.680
Yxy	81.0415, 0.3611, 0.5387
Android (android.graphics.Color)	4289855275 (0xFFB1FF2B)
YUV	207.5100, -81.1034, -26.7573
Hunter-Lab	90.0231, -49.8263, 53.0883

Details

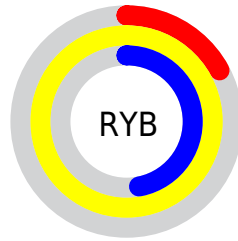
The Yxy color **81.0415, 0.3611, 0.5387** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **13.0304, 0.1979, 0.0961**, and the grayscale version is **63.2682, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6503, 0.3818, 0.4708**, and **44.1701, 0.3495, 0.5607** is the 20% darker color. If you saturate the color by 10%, you get **79.8409, 0.3581, 0.5506**, and if you desaturate by 10%, it is **82.4289, 0.3616, 0.5215**.

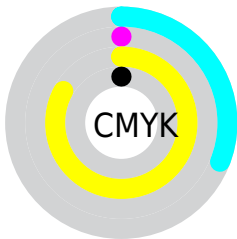
Distribution



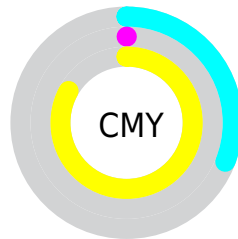
- Red (69%)
- Green (100%)
- Blue (17%)



- Red (17%)
- Yellow (100%)
- Blue (47%)



- Cyan (31%)
- Magenta (0%)
- Yellow (83%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.0415, 0.3611, 0.5387 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 81.0415, 0.3611, 0.5387 by changing the saturation by 10% instead.


 81.0415, 0.3611,
0.5387


 81.0415, 0.3611,
0.5387


498.4359, 0.3490,
0.4421

 60.5758, 0.3607,
0.5589


 134.8290, 0.3594,
0.5064


 43.8829, 0.3584,
0.5823


 168.9196, 0.3580,
0.4934


 30.5785, 0.3531,
0.6093


 208.3207, 0.3565,
0.4820

 20.2781, 0.3432,
0.6415

 253.4165, 0.3549,
0.4721

 12.5973, 0.3237,
0.6763

 304.5915, 0.3534,
0.4632

 7.1519, 0.2888,
0.7112


362.2302, 0.3519,


 3.5573, 0.2368,


0.4554


0.7632


426.7168, 0.3504,
0.4484


 1.4291, 0.0192,
0.9808


 0.2380, 0.0000,
1.0000

 81.0415, 0.3611,
0.5387


 81.0415, 0.3611,
0.5387

 79.8409, 0.3581,
0.5506

 82.4289, 0.3616,
0.5215

 79.1068, 0.3550,
0.5563

 84.0322, 0.3597,
0.4997


 85.8655, 0.3554,
0.4743

 87.9437, 0.3493,
0.4467

 90.2800, 0.3417,
0.4181

 92.8865, 0.3333,
0.3897

 95.7746, 0.3244,
0.3623

 98.9548, 0.3155,
0.3366

 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



81.0415, 0.4549, 0.4875



81.0415, 0.3611, 0.5387



81.0415, 0.2608, 0.5053

Triad

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



81.0415, 0.3611, 0.5387



81.0415, 0.1366, 0.1966



81.0415, 0.4517, 0.2688

Complementary

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



81.0415, 0.3611, 0.5387



13.0304, 0.1979, 0.0961

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.



81.0415, 0.3361, 0.2130



81.0415, 0.3611, 0.5387



81.0415, 0.1665, 0.1720

Square

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



81.0415, 0.3611, 0.5387



81.0415, 0.1395, 0.2643



81.0415, 0.2326, 0.1790



81.0415, 0.5233, 0.3368

Rectangle

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



81.0415, 0.3611, 0.5387



81.0415, 0.2031, 0.4285



81.0415, 0.2326, 0.1790



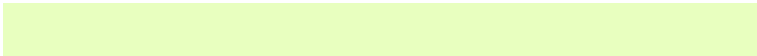
81.0415, 0.4151, 0.2483

Sweetspot

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



81.0385, 0.3611, 0.5387



92.3688, 0.3349, 0.3950



35.0615, 0.5384, 0.3893



19.5719, 0.3379, 0.4050



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.



81.0385, 0.3611, 0.5387



79.1068, 0.3550, 0.5563



73.0484, 0.3076, 0.5787



20.7368, 0.3212, 0.3529



41.4227, 0.3560, 0.5555



4.0953, 0.3632, 0.5498

Inverse Universe

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



13.0304, 0.1979, 0.0961



9.5947, 0.1777, 0.0752



25.2453, 0.2927, 0.1463



17.7034, 0.3037, 0.3048



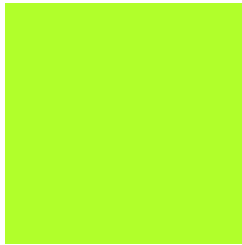
5.0907, 0.1793, 0.0761



0.5552, 0.1917, 0.0830

Previews

White Background



This preview shows how the Yxy color 81.0415, 0.3611, 0.5387 looks on a white background.

Color Contrast Check

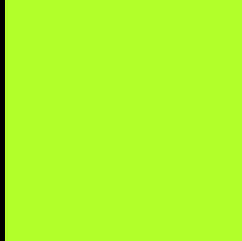
Large Text (above 18pt) WCAG AA × Fail

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 81.0415, 0.3611, 0.5387 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 81.0415, 0.3611, 0.5387

Background



This preview shows how black text looks on a background with the Yxy color 81.0415, 0.3611, 0.5387.

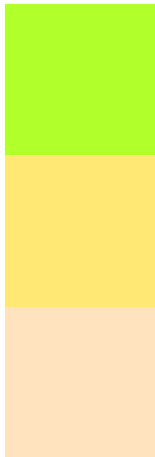


This preview shows how white text looks on a background with the Yxy color 81.0415, 0.3611, 0.5387.

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

81.0415, 0.3611, 0.5387

Protanopia

80.2342, 0.4033, 0.4417

Deuteranopia

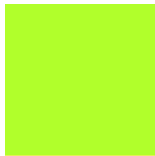
79.9598, 0.3572, 0.3656



Tritanopia

80.4849, 0.2809, 0.3099

Trichromacy



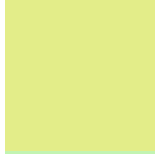
Original Color

81.0415, 0.3611, 0.5387



Protanomaly

79.3723, 0.3909, 0.4799



Deuteranomaly

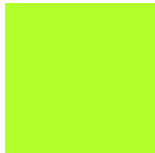
78.7054, 0.3682, 0.4359



Tritanomaly

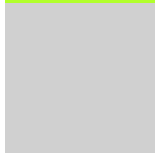
79.3851, 0.3193, 0.4047

Monochromacy



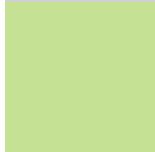
Original Color

81.0415, 0.3611, 0.5387



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

67.8589, 0.3427, 0.4206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.0415, 0.3611, 0.5387 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(177, 255, 43)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 43)  
}
```

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(177, 255, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 43) }
```

Border

The CSS property to change the border of an element to Yxy 81.0415, 0.3611, 0.5387 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(177, 255, 43) }
```

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

```
.border{ border-color:rgb(177, 255, 43) }
```

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

Here you see how a box with a 4 pixel rgb(177, 255, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 43);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 81.0415, 0.3611, 0.5387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 43) }
```

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

```
.background{ background-color: rgb(177,  
255, 43) }
```

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