

# Converting Colors

Yxy(82.0492, 0.3648, 0.5315)

Have a look what the booklet for  
Yxy(82.0492, 0.3648, 0.5315)  
contains.

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# Color

**Yxy(82.0733, 0.3650, 0.5314)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9FF33
RGB	185, 255, 51
RGB Percent	73%, 100%, 20%
CMY	0.2743, 0.0000, 0.8000
CMYK	0.27, 0.00, 0.80, 0.00
HSL	81°, 100%, 60%
HSV	81°, 80%, 100%
XYZ	56.3733, 82.0733, 16.0007
YIQ	210.8140, 23.7640, -78.2840

# Conversions

## Conversions Part 2

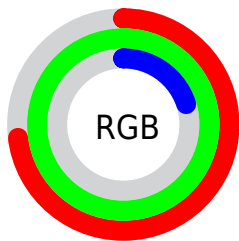
Format	Color
<a href="#">RYB</a>	<a href="#">51, 255, 121</a>
Decimal	<a href="#">12189491</a>
CIELab	<a href="#">92.61, -48.04, 81.71</a>
CIElCh	<a href="#">93, 94.787, 120.451</a>
Yxy	<a href="#">82.0733, 0.3650, 0.5314</a>
Android (android.graphics.Color)	<a href="#">4290379571</a> ( <a href="#">0xFFB9FF33</a> )
YUV	<a href="#">210.8140, -78.7883, -22.6389</a>
Hunter-Lab	<a href="#">90.5943, -47.4665, 52.9442</a>

# Details

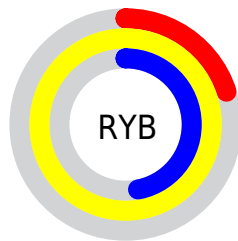
The Yxy color **82.0733, 0.3650, 0.5314** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **13.6479, 0.1985, 0.0999**, and the grayscale version is **65.5383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1703, 0.3851, 0.4640**, and **44.8238, 0.3566, 0.5551** is the 20% darker color. If you saturate the color by 10%, you get **80.8557, 0.3631, 0.5445**, and if you desaturate by 10%, it is **83.4882, 0.3644, 0.5132**.

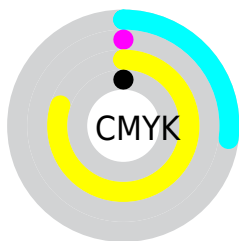
# Distribution



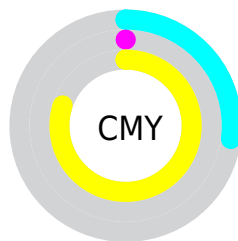
- Red (73%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (47%)



- Cyan (27%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0733, 0.3650, 0.5314 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 82.0733, 0.3650, 0.5314 by changing the saturation by 10% instead.




 82.0733, 0.3650,  
0.5314

 82.0733, 0.3650,  
0.5314


501.8928, 0.3506,  
0.4386

 61.4260, 0.3653,  
0.5507


 136.2768, 0.3624,  
0.5004


 44.5690, 0.3640,  
0.5732

 170.6017, 0.3607,  
0.4879


 31.1181, 0.3600,  
0.5992

 210.2546, 0.3589,  
0.4770

 20.6888, 0.3515,  
0.6294

 255.6199, 0.3571,  
0.4675

 12.8967, 0.3355,  
0.6645

 307.0820, 0.3553,  
0.4590

 7.3575, 0.3032,  
0.6968

365.0253, 0.3537,

 3.6866, 0.2549,

0.4514

0.7451

429.8341, 0.3521,  
0.4447

■ 1.4999, 0.0930,  
0.9070

■ 0.2886, 0.0000,  
1.0000

■ 82.0733, 0.3650,  
0.5314

■ 82.0733, 0.3650,  
0.5314

■ 80.8557, 0.3631,  
0.5445


■ 83.4882, 0.3644,  
0.5132


■ 79.7946, 0.3591,  
0.5531


■ 85.1082, 0.3612,  
0.4906

■ 86.9530, 0.3559,  
0.4649

■ 89.0365, 0.3488,  
0.4372

 91.3714, 0.3405,  
0.4089

 93.9693, 0.3314,  
0.3809

 96.8409, 0.3221,  
0.3541

99.9965, 0.3127,  
0.3290

99.9979, 0.3127,  
0.3290

# Harmonies

## Analogous

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



82.0733, 0.4554, 0.4815



82.0733, 0.3650, 0.5314



82.0733, 0.2669, 0.5021

# Triad

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



82.0733, 0.3650, 0.5314



82.0733, 0.1401, 0.2021



82.0733, 0.4432, 0.2682

# Complementary

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



82.0733, 0.3650, 0.5314



13.6479, 0.1985, 0.0999

# 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.



82.0733, 0.3311, 0.2141



82.0733, 0.3650, 0.5314



82.0733, 0.1683, 0.1762

# Square

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



82.0733, 0.3650, 0.5314



82.0733, 0.1447, 0.2707



82.0733, 0.2316, 0.1818



82.0733, 0.5155, 0.3347



# Rectangle

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



82.0733, 0.3650, 0.5314



82.0733, 0.2096, 0.4303



82.0733, 0.2316, 0.1818



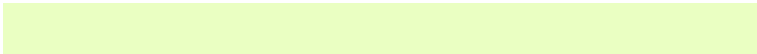
82.0733, 0.4074, 0.2483

# Sweetspot

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



82.0769, 0.3650, 0.5314



92.9010, 0.3351, 0.3920



34.6909, 0.5358, 0.3838



19.6881, 0.3383, 0.4020



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.



82.0769, 0.3650, 0.5314



80.2071, 0.3609, 0.5500



73.6879, 0.3108, 0.5711



20.7607, 0.3216, 0.3529



41.7815, 0.3601, 0.5523



4.1286, 0.3669, 0.5469



# Inverse Universe

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



13.6479, 0.1985, 0.0999



9.8285, 0.1782, 0.0768



24.9586, 0.2871, 0.1461



17.6805, 0.3032, 0.3048



4.9162, 0.1756, 0.0741

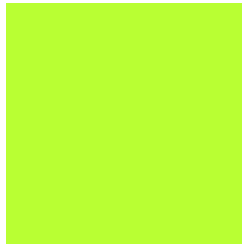


0.5363, 0.1878, 0.0808



# Previews

## White Background



This preview shows how the Yxy color 82.0733, 0.3650, 0.5314 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

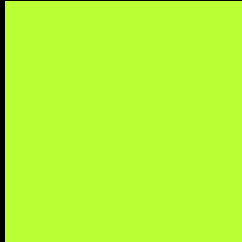
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0733, 0.3650, 0.5314 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

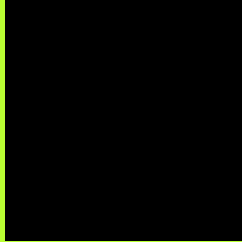
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.0733, 0.3650, 0.5314**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0733, 0.3650, 0.5314.



This preview shows how white text looks on a background with the Yxy color 82.0733, 0.3650, 0.5314.

# 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

82.0733, 0.3650, 0.5314

### Protanopia

81.1228, 0.3955, 0.4316

### Deuteranopia

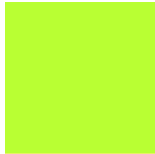
81.2388, 0.3540, 0.3635



## Tritanopia

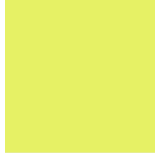
81.4900, 0.2851, 0.3101

# Trichromacy



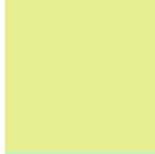
## Original Color

82.0733, 0.3650, 0.5314



## Protanomaly

80.6732, 0.3874, 0.4704



## Deuteranomaly

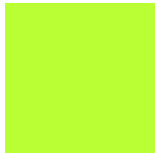
79.9552, 0.3666, 0.4300



## Tritanomaly

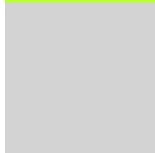
80.4551, 0.3222, 0.4001

# Monochromacy



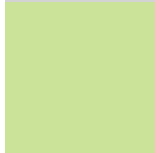
## Original Color

82.0733, 0.3650, 0.5314



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

69.7946, 0.3428, 0.4156

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0733, 0.3650, 0.5314 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(185, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 51)  
}
```

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(185, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0733, 0.3650, 0.5314 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(185, 255, 51) }
```

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

```
.border{ border-color:rgb(185, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0733, 0.3650, 0.5314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 51) }
```

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

```
.background{ background-color: rgb(185,  
255, 51) }
```

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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