

# Converting Colors

$Yxy(82.3776, 0.3591, 0.5180)$

Have a look what the booklet for  
Yxy(82.3776, 0.3591, 0.5180)  
contains.

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**Color**

**Yxy(82.3423, 0.3589, 0.5181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9FF4B
RGB	185, 255, 75
RGB Percent	73%, 100%, 29%
CMY	0.2745, 0.0000, 0.7058
CMYK	0.27, 0.00, 0.71, 0.00
HSL	83°, 100%, 65%
HSV	83°, 71%, 100%
XYZ	57.0404, 82.3423, 19.5485
YIQ	213.5500, 16.0600, -70.8200

# Conversions

## Conversions Part 2

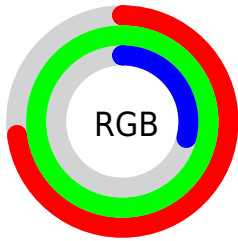
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	75, 255, 145
Decimal	12189515
CIE <sub>Lab</sub>	92.73, -46.90, 74.63
CIE <sub>LCh</sub>	93, 88.143, 122.146
Yxy	82.3423, 0.3589, 0.5181
Android (android.graphics.Color)	4290379595 (0xFFB9FF4B)
YUV	213.5500, -68.3052, -25.0384
Hunter-Lab	90.7427, -46.5953, 50.7471

# Details

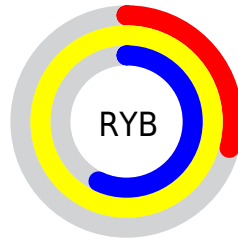
The Yxy color **82.3423, 0.3589, 0.5181** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **18.2782, 0.2194, 0.1244**, and the grayscale version is **67.3909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6537, 0.3760, 0.4482**, and **44.8238, 0.3566, 0.5551** is the 20% darker color. If you saturate the color by 10%, you get **80.8712, 0.3587, 0.5369**, and if you desaturate by 10%, it is **84.0430, 0.3567, 0.4948**.

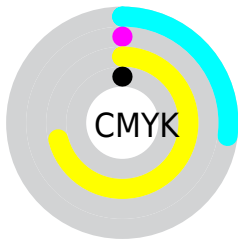
# Distribution



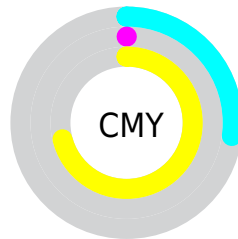
- Red (73%)
- Green (100%)
- Blue (29%)



- Red (29%)
- Yellow (100%)
- Blue (57%)



- Cyan (27%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3423, 0.3589, 0.5181 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 82.3423, 0.3589, 0.5181 by changing the saturation by 10% instead.




 82.3423, 0.3589,  
0.5181


 82.3423, 0.3589,  
0.5181


502.7920, 0.3454,  
0.4303

 61.6477, 0.3595,  
0.5369


 136.6539, 0.3561,  
0.4884


 44.7481, 0.3590,  
0.5592


 171.0398, 0.3545,  
0.4765


 31.2591, 0.3562,  
0.5856


 210.7581, 0.3528,  
0.4663

 20.7962, 0.3494,  
0.6165

 256.1934, 0.3512,  
0.4573

 12.9751, 0.3395,  
0.6605

 307.7301, 0.3497,  
0.4493

 7.4114, 0.3081,  
0.6919

365.7525, 0.3482,

 3.7207, 0.2611,

0.4423

0.7389

430.6449, 0.3468,  
0.4360

■ 1.5186, 0.1134,  
0.8866

■ 0.3018, 0.0000,  
1.0000

■ 82.3423, 0.3589,  
0.5181

■ 82.3423, 0.3589,  
0.5181

■ 80.8712, 0.3587,  
0.5369

■ 84.0430, 0.3567,  
0.4948


■ 79.6045, 0.3560,  
0.5505

■ 85.9843, 0.3522,  
0.4684

■ 78.5712, 0.3517,  
0.5590

■ 88.1828, 0.3460,  
0.4400

■ 90.6516, 0.3386,  
0.4112

 93.4029, 0.3304,  
0.3828

 96.4481, 0.3218,  
0.3557

99.7977, 0.3132,  
0.3304

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.



82.3423, 0.4446, 0.4778



82.3423, 0.3589, 0.5181



82.3423, 0.2663, 0.4835

# Triad

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



82.3423, 0.3589, 0.5181



82.3423, 0.1499, 0.2079



82.3423, 0.4395, 0.2758

# Complementary

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



82.3423, 0.3589, 0.5181



18.2782, 0.2194, 0.1244

# 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.



82.3423, 0.3363, 0.2230



82.3423, 0.3589, 0.5181



82.3423, 0.1788, 0.1842

# Square

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



82.3423, 0.3589, 0.5181



82.3423, 0.1530, 0.2708



82.3423, 0.2414, 0.1908



82.3423, 0.5037, 0.3402



# Rectangle

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



82.3423, 0.3589, 0.5181



82.3423, 0.2130, 0.4159



82.3423, 0.2414, 0.1908



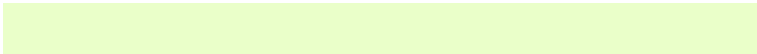
82.3423, 0.4070, 0.2565

# Sweetspot

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



82.3442, 0.3589, 0.5181



93.2803, 0.3307, 0.3840



41.7210, 0.4944, 0.3930



19.7978, 0.3330, 0.3917



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.



82.3442, 0.3589, 0.5181



80.2866, 0.3578, 0.5436



74.5168, 0.3096, 0.5511



20.7175, 0.3209, 0.3529



41.1439, 0.3528, 0.5581



4.0692, 0.3602, 0.5522



# Inverse Universe

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



18.2782, 0.2194, 0.1244



12.7996, 0.1985, 0.0946



29.7496, 0.2999, 0.1637



17.7222, 0.3040, 0.3049



5.2434, 0.1825, 0.0779

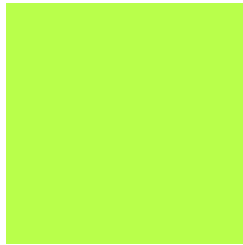


0.5714, 0.1950, 0.0848



# Previews

## White Background



This preview shows how the Yxy color 82.3423, 0.3589, 0.5181 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

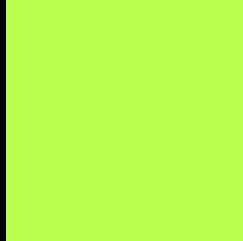
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.3423, 0.3589, 0.5181 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

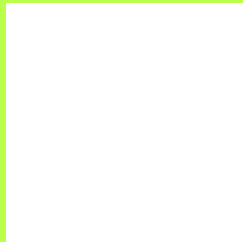
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.3423, 0.3589, 0.5181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.3423, 0.3589, 0.5181.

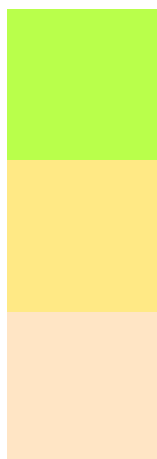


This preview shows how white text looks on a background with the Yxy color 82.3423, 0.3589, 0.5181.

# 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

82.3423, 0.3589, 0.5181

### Protanopia

81.2313, 0.3932, 0.4280

### Deuteranopia

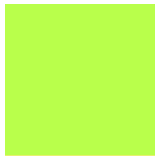
81.3298, 0.3526, 0.3615



## Tritanopia

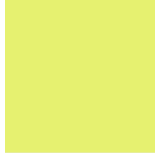
82.0707, 0.2851, 0.3112

# Trichromacy



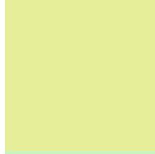
## Original Color

82.3423, 0.3589, 0.5181



## Protanomaly

80.9034, 0.3822, 0.4614



## Deuteranomaly

80.2720, 0.3606, 0.4198



## Tritanomaly

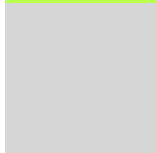
80.8366, 0.3169, 0.3897

# Monochromacy



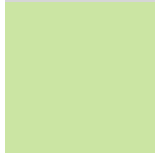
## Original Color

82.3423, 0.3589, 0.5181



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

71.3795, 0.3368, 0.4057

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.3423, 0.3589, 0.5181 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, 75)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 75)  
}
```

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, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 75) }
```

## Border

The CSS property to change the border of an element to Yxy 82.3423, 0.3589, 0.5181 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, 75) }
```

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

```
.border{ border-color:rgb(185, 255, 75) }
```

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, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 75);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
75) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.3423, 0.3589, 0.5181 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, 75) }
```

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

```
.background{ background-color: rgb(185,  
255, 75) }
```

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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