

# Converting Colors

$Yxy(82.0473, 0.3620, 0.5270)$

Have a look what the booklet for  
Yxy(82.0473, 0.3620, 0.5270)  
contains.

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**Color**

**Yxy(82.0473, 0.3620, 0.5270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8FF3D
RGB	184, 255, 61
RGB Percent	72%, 100%, 24%
CMY	0.2787, 0.0000, 0.7607
CMYK	0.28, 0.00, 0.76, 0.00
HSL	82°, 100%, 62%
HSV	82°, 76%, 100%
XYZ	56.3589, 82.0473, 17.2813
YIQ	211.6550, 19.9580, -75.3860

# Conversions

## Conversions Part 2

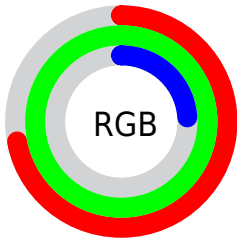
Format	Color
<a href="#">RYB</a>	<a href="#">61, 255, 132</a>
Decimal	<a href="#">12123965</a>
CIELab	<a href="#">92.60, -48.03, 78.95</a>
CIELCh	<a href="#">93, 92.409, 121.312</a>
Yxy	<a href="#">82.0473, 0.3620, 0.5270</a>
Android (android.graphics.Color)	<a href="#">4290314045 (0xFFB8FF3D)</a>
YUV	<a href="#">211.6550, -74.2729, -24.2534</a>
Hunter-Lab	<a href="#">90.5800, -47.4522, 52.0943</a>

# Details

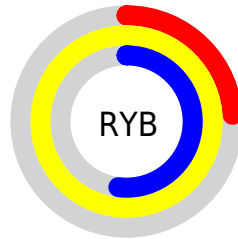
The Yxy color **82.0473, 0.3620, 0.5270** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **15.4696, 0.2078, 0.1099**, and the grayscale version is **66.0775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1582, 0.3812, 0.4587**, and **44.7481, 0.3558, 0.5557** is the 20% darker color. If you saturate the color by 10%, you get **80.7120, 0.3607, 0.5426**, and if you desaturate by 10%, it is **83.5745, 0.3607, 0.5065**.

# Distribution



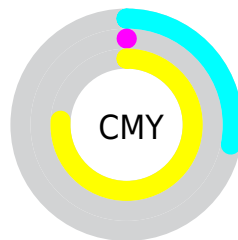
- Red (72%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (52%)



- Cyan (28%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)



- Cyan (28%)
- Magenta (0%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0473, 0.3620, 0.5270 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 82.0473, 0.3620, 0.5270 by changing the saturation by 10% instead.




 82.0473, 0.3620,  
0.5270


 82.0473, 0.3620,  
0.5270


501.8059, 0.3482,  
0.4357


 61.4045, 0.3623,  
0.5463


 136.2403, 0.3594,  
0.4963

 44.5517, 0.3613,  
0.5689


 170.5594, 0.3578,  
0.4840


 31.1045, 0.3576,  
0.5952


 210.2060, 0.3561,  
0.4733

 20.6784, 0.3495,  
0.6257

 255.5645, 0.3544,  
0.4639

 12.8891, 0.3355,  
0.6645

 307.0194, 0.3527,  
0.4556

 7.3523, 0.3032,  
0.6968


364.9549, 0.3511,


 3.6834, 0.2549,

0.4482

0.7451


429.7557, 0.3496,  
0.4416


 1.4981, 0.0927,  
0.9073


 0.2874, 0.0000,  
1.0000


 82.0473, 0.3620,  
0.5270


 82.0473, 0.3620,  
0.5270


 80.7120, 0.3607,  
0.5426


 83.5745, 0.3607,  
0.5065

 79.5690, 0.3571,  
0.5530

 85.3335, 0.3571,  
0.4821

 79.1587, 0.3553,  
0.5561

 87.3322, 0.3514,  
0.4550

 89.5844, 0.3442,  
0.4266

■ 92.1026, 0.3359,  
0.3981

■ 94.8981, 0.3271,  
0.3703

■ 97.9818, 0.3181,  
0.3441

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.



82.0473, 0.4510, 0.4810



82.0473, 0.3620, 0.5270



82.0473, 0.2658, 0.4948

# Triad

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



82.0473, 0.3620, 0.5270



82.0473, 0.1436, 0.2037



82.0473, 0.4429, 0.2714

# Complementary

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



82.0473, 0.3620, 0.5270



15.4696, 0.2078, 0.1099

# 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.



82.0473, 0.3340, 0.2176



82.0473, 0.3620, 0.5270



82.0473, 0.1723, 0.1789

# Square

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



82.0473, 0.3620, 0.5270



82.0473, 0.1474, 0.2698



82.0473, 0.2358, 0.1851



82.0473, 0.5117, 0.3373



# Rectangle

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



82.0473, 0.3620, 0.5270



82.0473, 0.2101, 0.4240



82.0473, 0.2358, 0.1851



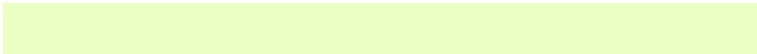
82.0473, 0.4083, 0.2517

# Sweetspot

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



82.0399, 0.3620, 0.5270



92.9321, 0.3333, 0.3894



37.2728, 0.5191, 0.3876



19.6833, 0.3364, 0.3996



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.



82.0399, 0.3620, 0.5270



80.1275, 0.3592, 0.5483



74.0361, 0.3107, 0.5634



20.7387, 0.3212, 0.3529



41.4497, 0.3563, 0.5553



4.0978, 0.3635, 0.5496



# Inverse Universe

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



15.4696, 0.2078, 0.1099



11.0159, 0.1873, 0.0841



26.7113, 0.2920, 0.1528



17.7017, 0.3036, 0.3048



5.0768, 0.1790, 0.0760

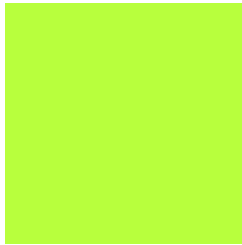


0.5537, 0.1914, 0.0828



# Previews

## White Background



This preview shows how the Yxy color 82.0473, 0.3620, 0.5270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

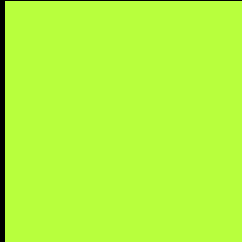
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0473, 0.3620, 0.5270 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

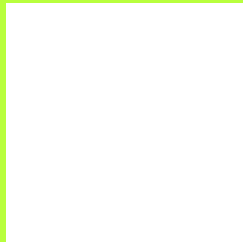
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.0473, 0.3620, 0.5270**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.0473, 0.3620, 0.5270.

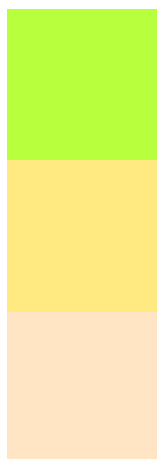


This preview shows how white text looks on a background with the Yxy color 82.0473, 0.3620, 0.5270.

# 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

82.0473, 0.3620, 0.5270

### Protanopia

81.1228, 0.3955, 0.4316

### Deuteranopia

81.2388, 0.3540, 0.3635



## Tritanopia

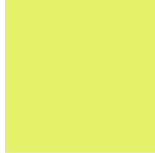
81.3437, 0.2845, 0.3101

# Trichromacy



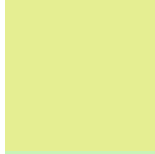
## Original Color

82.0473, 0.3620, 0.5270



## Protanomaly

80.5681, 0.3853, 0.4684



## Deuteranomaly

79.8824, 0.3641, 0.4272



## Tritanomaly

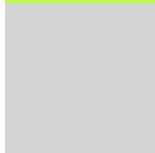
80.4414, 0.3198, 0.3968

# Monochromacy



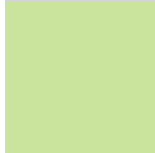
## Original Color

82.0473, 0.3620, 0.5270



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

70.4777, 0.3401, 0.4119

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0473, 0.3620, 0.5270 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(184, 255, 61)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 61)  
}
```

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(184, 255, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 61) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0473, 0.3620, 0.5270 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(184, 255, 61) }
```

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

```
.border{ border-color:rgb(184, 255, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 61);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
61) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0473, 0.3620, 0.5270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 61) }
```

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

```
.background{ background-color: rgb(184,  
255, 61) }
```

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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