

# Converting Colors

$Yxy(82.8852, 0.3382, 0.4693)$

Have a look what the booklet for  
Yxy(82.8852, 0.3382, 0.4693)  
contains.

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# Color

**Yxy(82.9344, 0.3381, 0.4695)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAFE82
RGB	186, 254, 130
RGB Percent	73%, 100%, 51%
CMY	0.2706, 0.0039, 0.4901
CMYK	0.27, 0.00, 0.49, 0.00
HSL	93°, 98%, 75%
HSV	93°, 49%, 100%
XYZ	59.7234, 82.9344, 33.9863
YIQ	219.5320, -0.7240, -52.9800

# Conversions

## Conversions Part 2

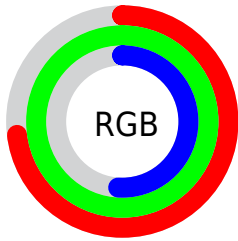
Format	Color
<a href="#">RYB</a>	<a href="#">130, 254, 198</a>
Decimal	<a href="#">12254850</a>
CIELab	<a href="#">92.99, -41.51, 52.24</a>
CIElCh	<a href="#">93, 66.722, 128.470</a>
Yxy	<a href="#">82.9344, 0.3381, 0.4695</a>
Android (android.graphics.Color)	<a href="#">4290444930 (0xFFBAFE82)</a>
YUV	<a href="#">219.5320, -44.1393, -29.4076</a>
Hunter-Lab	<a href="#">91.0683, -42.3078, 41.6210</a>

# Details

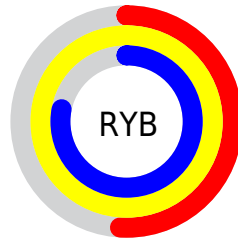
The Yxy color **82.9344, 0.3381, 0.4695** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.1356, 0.2698, 0.1928**, and the grayscale version is **71.5451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2559, 0.3469, 0.3996**, and **45.2142, 0.3395, 0.5031** is the 20% darker color. If you saturate the color by 10%, you get **80.6772, 0.3403, 0.4992**, and if you desaturate by 10%, it is **85.5373, 0.3343, 0.4386**.

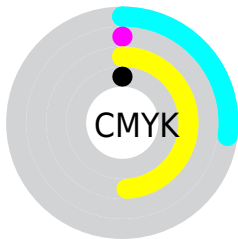
# Distribution



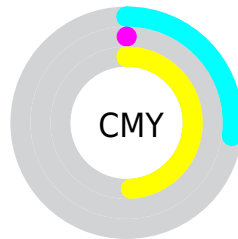
- Red (73%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (78%)



- Cyan (27%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9344, 0.3381, 0.4695 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 82.9344, 0.3381, 0.4695 by changing the saturation by 10% instead.




 82.9344, 0.3381,  
0.4695

 82.9344, 0.3381,  
0.4695

504.7679, 0.3299,  
0.4028

 62.1360, 0.3389,  
0.4847


 137.4836, 0.3361,  
0.4463

 45.1426, 0.3393,  
0.5034


 172.0032, 0.3351,  
0.4373

 31.5698, 0.3389,  
0.5267


 211.8653, 0.3341,  
0.4295

 21.0331, 0.3368,  
0.5563

257.4544, 0.3331,  
0.4228

 13.1482, 0.3310,  
0.5945

309.1548, 0.3323,  
0.4168

 7.5307, 0.3209,  
0.6511


367.3509, 0.3314,


 3.7961, 0.2887,

0.4116

0.7113

432.4271, 0.3307,  
0.4070


 1.5602, 0.1846,  
0.8154

 0.3305, 0.0000,  
1.0000


 82.9344, 0.3381,  
0.4695


 82.9344, 0.3381,  
0.4695


 80.6772, 0.3403,  
0.4992


 85.5373, 0.3343,  
0.4386


 78.7374, 0.3407,  
0.5260

 88.4909, 0.3295,  
0.4080

 77.0991, 0.3389,  
0.5484

 91.8139, 0.3239,  
0.3787

 75.7399, 0.3351,  
0.5651

 95.5199, 0.3180,  
0.3512

■ 74.6296, 0.3296,  
0.5759

99.3655, 0.3128,  
0.3281

■ 74.5100, 0.3289,  
0.5770

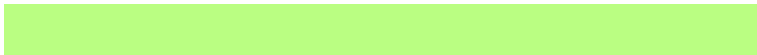
# Harmonies

## Analogous

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



82.9344, 0.4074, 0.4567



82.9344, 0.3381, 0.4695



82.9344, 0.2658, 0.4278

# Triad

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



82.9344, 0.3381, 0.4695



82.9344, 0.1851, 0.2287



82.9344, 0.4226, 0.2997

# Complementary

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



82.9344, 0.3381, 0.4695



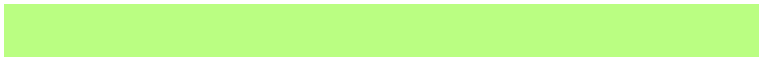
35.1356, 0.2698, 0.1928

# Split Complementary

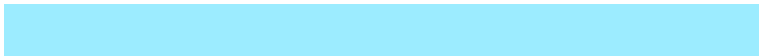
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9344, 0.3490, 0.2531



82.9344, 0.3381, 0.4695



82.9344, 0.2153, 0.2129

# Square

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



82.9344, 0.3381, 0.4695



82.9344, 0.1829, 0.2741



82.9344, 0.2724, 0.2223

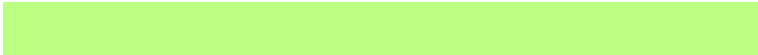


82.9344, 0.4626, 0.3547



# Rectangle

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



82.9344, 0.3381, 0.4695



82.9344, 0.2258, 0.3761



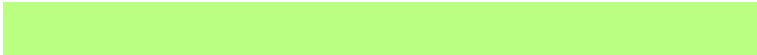
82.9344, 0.2724, 0.2223



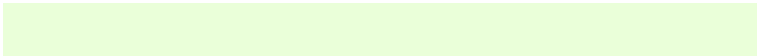
82.9344, 0.4004, 0.2828

# Sweetspot

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



82.9380, 0.3381, 0.4695



94.0130, 0.3217, 0.3680



62.2294, 0.4129, 0.3973



19.9579, 0.3229, 0.3738



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

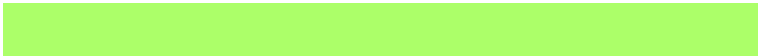


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9380, 0.3381, 0.4695



81.3567, 0.3404, 0.4998



77.3588, 0.3036, 0.4796



20.5697, 0.3184, 0.3531



39.3664, 0.3301, 0.5761



3.8968, 0.3389, 0.5691



# Inverse Universe

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



35.1356, 0.2698, 0.1928



27.8043, 0.2577, 0.1645



43.9369, 0.3218, 0.2139



17.8687, 0.3065, 0.3050



6.7691, 0.2119, 0.0941

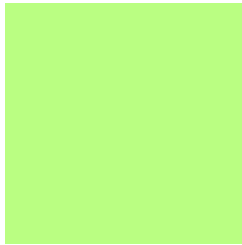


0.7240, 0.2236, 0.1005



# Previews

## White Background



This preview shows how the Yxy color 82.9344, 0.3381, 0.4695 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 82.9344, 0.3381, 0.4695 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 82.9344, 0.3381, 0.4695**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9344, 0.3381, 0.4695.

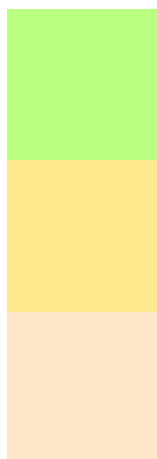


This preview shows how white text looks on a background with the Yxy color 82.9344, 0.3381, 0.4695.

# 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

82.9344, 0.3381, 0.4695

### Protanopia

82.0888, 0.3867, 0.4198

### Deuteranopia

82.1654, 0.3483, 0.3563



## Tritanopia

82.6546, 0.2852, 0.3122

# Trichromacy



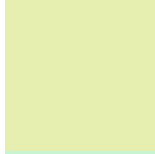
## Original Color

82.9344, 0.3381, 0.4695



## Protanomaly

81.5686, 0.3684, 0.4376



## Deuteranomaly

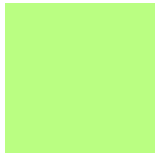
81.6906, 0.3461, 0.3963



## Tritanomaly

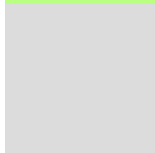
81.7720, 0.3052, 0.3667

# Monochromacy



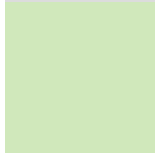
## Original Color

82.9344, 0.3381, 0.4695



## Achromatopsia

71.5694, 0.3127, 0.3290



## Achromatomaly

74.7110, 0.3247, 0.3800

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9344, 0.3381, 0.4695 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(186, 254, 130)` looks like.

```
.text, #text, p{  
    color:rgb(186, 254, 130)  
}
```

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(186, 254, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 254, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9344, 0.3381, 0.4695 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(186, 254, 130) }
```

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

```
.border{ border-color:rgb(186, 254, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 254, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 254, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 254, 130);  
box-shadow:4px 4px 4px 4px rgb(186, 254,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9344, 0.3381, 0.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 254, 130) }
```

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

```
.background{ background-color: rgb(186,  
254, 130) }
```

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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