

# Converting Colors

$Yxy(82.9081, 0.3275, 0.4608)$

Have a look what the booklet for  
Yxy(82.9081, 0.3275, 0.4608)  
contains.

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# Color

**Yxy(82.9081, 0.3275, 0.4608)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2FF8D
RGB	178, 255, 141
RGB Percent	70%, 100%, 55%
CMY	0.3020, 0.0000, 0.4471
CMYK	0.30, 0.00, 0.45, 0.00
HSL	101°, 100%, 78%
HSV	101°, 45%, 100%
XYZ	58.9245, 82.9081, 38.0895
YIQ	218.9810, -9.2980, -51.7780

# Conversions

## Conversions Part 2

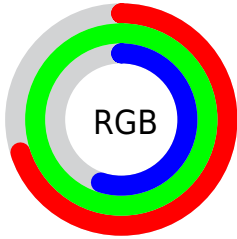
<b>Format</b>	<b>Color</b>
<b>RYB</b>	141, 255, 218
Decimal	11730829
CIELab	92.97, -43.38, 46.96
CIELCh	93, 63.931, 132.726
Yxy	82.9081, 0.3275, 0.4608
Android (android.graphics.Color)	4289920909 (0xFFB2FF8D)
YUV	218.9810, -38.4446, -35.9403
Hunter-Lab	91.0539, -43.8301, 38.9356

# Details

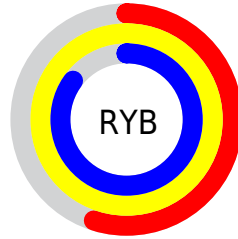
The Yxy color **82.9081, 0.3275, 0.4608** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.1705, 0.2864, 0.2087**, and the grayscale version is **71.0965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.3384, 0.3351, 0.3895**, and **45.2303, 0.3273, 0.4938** is the 20% darker color. If you saturate the color by 10%, you get **80.3214, 0.3286, 0.4931**, and if you desaturate by 10%, it is **85.9213, 0.3252, 0.4283**.

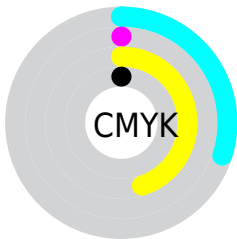
# Distribution



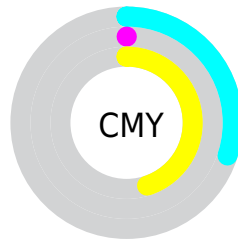
- Red (70%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (85%)



- Cyan (30%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9081, 0.3275, 0.4608 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 82.9081, 0.3275, 0.4608 by changing the saturation by 10% instead.




 82.9081, 0.3275,  
0.4608

 82.9081, 0.3275,  
0.4608


504.6802, 0.3236,  
0.3979

 62.1143, 0.3275,  
0.4754


 137.4467, 0.3268,  
0.4387

 45.1251, 0.3272,  
0.4934


 171.9604, 0.3263,  
0.4302

 31.5560, 0.3259,  
0.5161

211.8162, 0.3259,  
0.4229

 21.0226, 0.3230,  
0.5454

257.3984, 0.3254,  
0.4165

 13.1405, 0.3167,  
0.5842

309.0916, 0.3249,  
0.4110

 7.5254, 0.3039,  
0.6375


367.2800, 0.3245,


 3.7928, 0.2795,


0.4061


0.7205


432.3480, 0.3240,  
0.4017


 1.5583, 0.1643,  
0.8357


 0.3293, 0.0000,  
1.0000


 82.9081, 0.3275,  
0.4608


 82.9081, 0.3275,  
0.4608


 80.3214, 0.3286,  
0.4931


 85.9213, 0.3252,  
0.4283

 78.1457, 0.3283,  
0.5233

 89.3870, 0.3221,  
0.3969

 76.3552, 0.3263,  
0.5494

 93.3218, 0.3185,  
0.3675

 74.9233, 0.3227,  
0.5697

 97.7433, 0.3146,  
0.3407

■ 73.8187, 0.3179,  
0.5832

100.0000, 0.3127,  
0.3290

■ 73.3479, 0.3151,  
0.5880

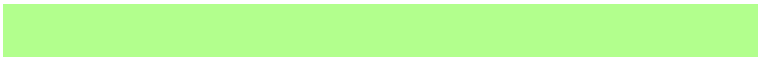
# Harmonies

## Analogous

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



82.9081, 0.3957, 0.4562



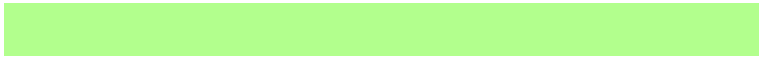
82.9081, 0.3275, 0.4608



82.9081, 0.2590, 0.4137

# Triad

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



82.9081, 0.3275, 0.4608



82.9081, 0.1921, 0.2287



82.9081, 0.4259, 0.3083

# Complementary

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



82.9081, 0.3275, 0.4608



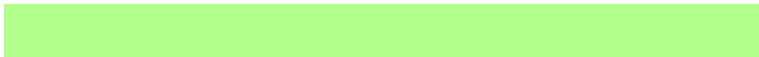
41.1705, 0.2864, 0.2087

# Split Complementary

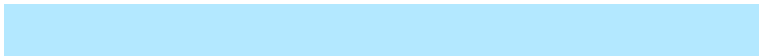
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9081, 0.3585, 0.2615



82.9081, 0.3275, 0.4608



82.9081, 0.2252, 0.2169

# Square

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



82.9081, 0.3275, 0.4608



82.9081, 0.1861, 0.2686



82.9081, 0.2838, 0.2291

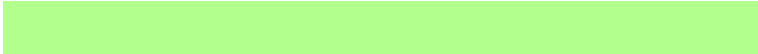


82.9081, 0.4583, 0.3623



# Rectangle

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



82.9081, 0.3275, 0.4608



82.9081, 0.2225, 0.3629



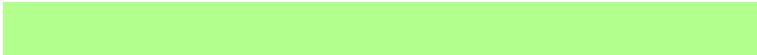
82.9081, 0.2838, 0.2291



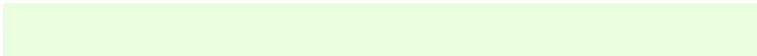
82.9081, 0.4062, 0.2915

# Sweetspot

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



82.9061, 0.3275, 0.4608



94.0437, 0.3178, 0.3627



72.8058, 0.3955, 0.4063



19.9306, 0.3187, 0.3689



0.0000, 0.0000, 0.0000

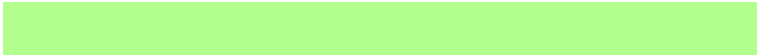


21.4041, 0.3127, 0.3290



# Same Dimension

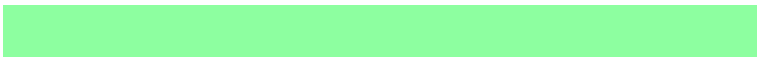
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.9061, 0.3275, 0.4608



80.4916, 0.3286, 0.4908



79.7191, 0.2972, 0.4462



20.4543, 0.3165, 0.3532



38.3971, 0.3162, 0.5872



3.7947, 0.3246, 0.5805



# Inverse Universe

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



41.1705, 0.2864, 0.2087



33.7600, 0.2788, 0.1842



46.3614, 0.3344, 0.2352



17.9876, 0.3086, 0.3052



8.4540, 0.2402, 0.1097

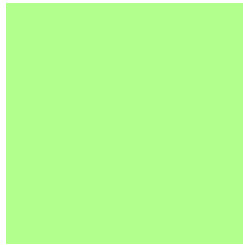


0.8822, 0.2496, 0.1148



# Previews

## White Background



This preview shows how the Yxy color 82.9081, 0.3275, 0.4608 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 82.9081, 0.3275, 0.4608 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 82.9081, 0.3275, 0.4608**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.9081, 0.3275, 0.4608.

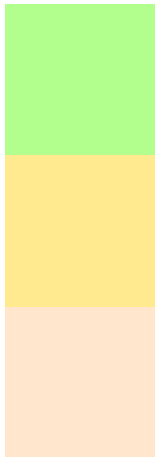


This preview shows how white text looks on a background with the Yxy color 82.9081, 0.3275, 0.4608.

# 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

82.9081, 0.3275, 0.4608

### Protanopia

82.1193, 0.3861, 0.4188

### Deuteranopia

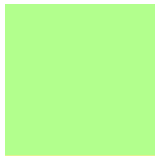
82.2133, 0.3476, 0.3553



## Tritanopia

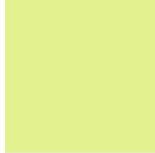
82.6620, 0.2829, 0.3132

# Trichromacy



## Original Color

82.9081, 0.3275, 0.4608



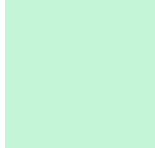
## Protanomaly

81.8183, 0.3630, 0.4343



## Deuteranomaly

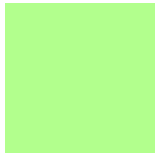
81.4001, 0.3408, 0.3914



## Tritanomaly

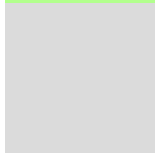
81.8956, 0.2998, 0.3635

# Monochromacy



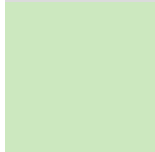
## Original Color

82.9081, 0.3275, 0.4608



## Achromatopsia

70.8376, 0.3127, 0.3290



## Achromatomaly

74.3122, 0.3194, 0.3757

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9081, 0.3275, 0.4608 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(178, 255, 141)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 141)  
}
```

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(178, 255, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9081, 0.3275, 0.4608 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(178, 255, 141) }
```

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

```
.border{ border-color:rgb(178, 255, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 141);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.9081, 0.3275, 0.4608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 141) }
```

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

```
.background{ background-color: rgb(178,  
255, 141) }
```

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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