

# Converting Colors

Yxy(81.6188, 0.3412, 0.4166)

Have a look what the booklet for  
Yxy(81.6188, 0.3412, 0.4166)  
contains.

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# Color

**Yxy(81.6778, 0.3410, 0.4171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6F4A4
RGB	214, 244, 164
RGB Percent	84%, 96%, 64%
CMY	0.1609, 0.0431, 0.3568
CMYK	0.12, 0.00, 0.33, 0.04
HSL	83°, 78%, 80%
HSV	83°, 33%, 96%
XYZ	66.7757, 81.6778, 47.3696
YIQ	225.9100, 7.8000, -31.2400

# Conversions

## Conversions Part 2

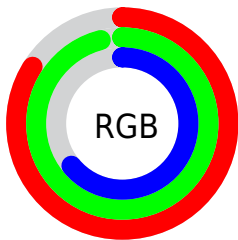
Format	Color
<a href="#">RYB</a>	<a href="#">164, 244, 194</a>
Decimal	<a href="#">14087332</a>
CIELab	<a href="#">92.43, -22.89, 35.41</a>
CIELCh	<a href="#">92, 42.162, 122.882</a>
Yxy	<a href="#">81.6778, 0.3410, 0.4171</a>
Android (android.graphics.Color)	<a href="#">4292277412 (0xFFD6F4A4)</a>
YUV	<a href="#">225.9100, -30.5216, -10.4451</a>
Hunter-Lab	<a href="#">90.3758, -26.2699, 32.1868</a>

# Details

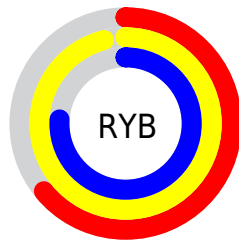
The Yxy color **81.6778, 0.3410, 0.4171** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.5622, 0.2761, 0.2372**, and the grayscale version is **76.2036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **44.3832, 0.3457, 0.4390** is the 20% darker color. If you saturate the color by 10%, you get **79.5425, 0.3484, 0.4457**, and if you desaturate by 10%, it is **84.0670, 0.3327, 0.3887**.

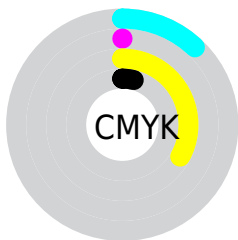
# Distribution



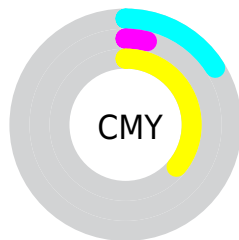
- Red (84%)
- Green (96%)
- Blue (64%)



- Red (64%)
- Yellow (96%)
- Blue (76%)



- Cyan (12%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)



- Cyan (16%)
- Magenta (4%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6778, 0.3410, 0.4171 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 81.6778, 0.3410, 0.4171 by changing the saturation by 10% instead.




 81.6778, 0.3410,  
0.4171

 81.6778, 0.3410,  
0.4171


500.5693, 0.3293,  
0.3758

 61.1000, 0.3433,  
0.4265


 135.7221, 0.3372,  
0.4027

 44.3059, 0.3459,  
0.4382


 169.9573, 0.3357,  
0.3972

 30.9110, 0.3488,  
0.4529


209.5138, 0.3343,  
0.3924

 20.5311, 0.3520,  
0.4719

254.7760, 0.3331,  
0.3882

 12.7817, 0.3551,  
0.4972

306.1283, 0.3320,  
0.3845

 7.2784, 0.3570,  
0.5322

363.9550, 0.3310,

 3.6368, 0.3640,

0.3813

0.5984

428.6405, 0.3301,  
0.3784

1.4725, 0.3373,  
0.6627

0.2693, 0.0000,  
1.0000

81.6778, 0.3410,  
0.4171

81.6778, 0.3410,  
0.4171

79.5425, 0.3484,  
0.4457

84.0670, 0.3327,  
0.3887

77.6394, 0.3545,  
0.4735

86.7094, 0.3240,  
0.3615

75.9601, 0.3587,  
0.4991

89.6183, 0.3152,  
0.3358

74.4912, 0.3607,  
0.5212

92.3693, 0.3104,  
0.3184

■ 73.2176, 0.3602,  
0.5387

■ 93.1899, 0.3132,  
0.3185

■ 72.1210, 0.3572,  
0.5510

■ 71.4210, 0.3540,  
0.5572

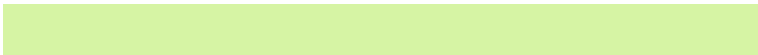
# Harmonies

## Analogous

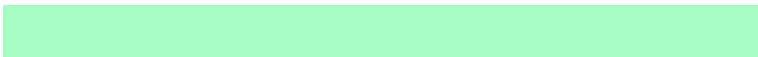
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6778, 0.3836, 0.4092



81.6778, 0.3410, 0.4171



81.6778, 0.2927, 0.3959

# Triad

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



81.6778, 0.3410, 0.4171



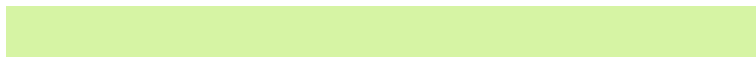
81.6778, 0.2251, 0.2686



81.6778, 0.3750, 0.3046

# Complementary

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



81.6778, 0.3410, 0.4171



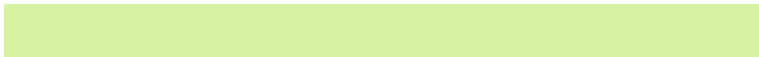
44.5622, 0.2761, 0.2372

# Split Complementary

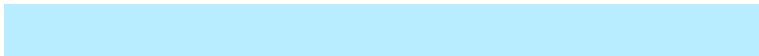
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6778, 0.3275, 0.2733



81.6778, 0.3410, 0.4171



81.6778, 0.2429, 0.2521

# Square

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



81.6778, 0.3410, 0.4171



81.6778, 0.2281, 0.3039



81.6778, 0.2792, 0.2545

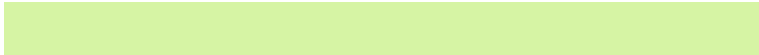


81.6778, 0.4053, 0.3426

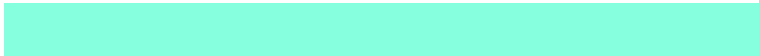


# Rectangle

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



81.6778, 0.3410, 0.4171



81.6778, 0.2640, 0.3680



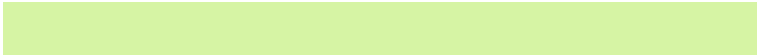
81.6778, 0.2792, 0.2545



81.6778, 0.3603, 0.2931

# Sweetspot

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



81.6814, 0.3410, 0.4171



96.6937, 0.3215, 0.3542



60.2077, 0.3787, 0.3610



20.6022, 0.3228, 0.3579



0.0000, 0.0000, 0.0000

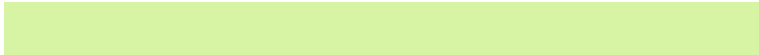


21.4041, 0.3127, 0.3290

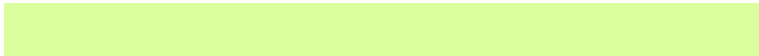


# Same Dimension

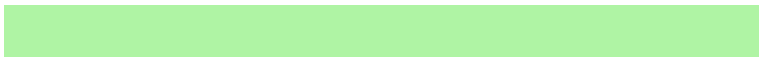
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6814, 0.3410, 0.4171



88.7564, 0.3458, 0.4352



76.4668, 0.3147, 0.4248



18.9846, 0.3210, 0.3528



38.9103, 0.3550, 0.5564



3.4784, 0.3630, 0.5500



# Inverse Universe

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



44.5622, 0.2761, 0.2372



42.1706, 0.2671, 0.2174



50.4676, 0.3077, 0.2452



16.2299, 0.3038, 0.3049



4.8504, 0.1806, 0.0768

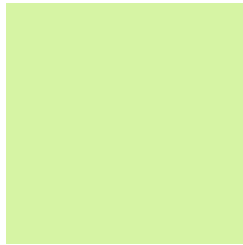


0.4830, 0.1944, 0.0844



# Previews

## White Background



This preview shows how the Yxy color 81.6778, 0.3410, 0.4171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

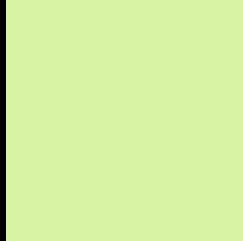
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.6778, 0.3410, 0.4171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

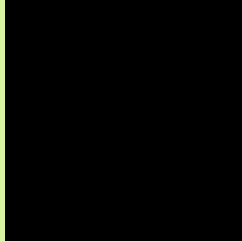
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 81.6778, 0.3410, 0.4171**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.6778, 0.3410, 0.4171.

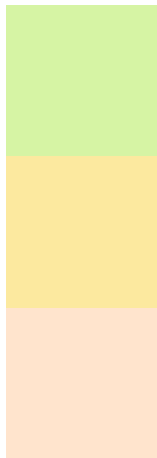


This preview shows how white text looks on a background with the Yxy color 81.6778, 0.3410, 0.4171.

# 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

81.6778, 0.3410, 0.4171

### Protanopia

81.4765, 0.3748, 0.4042

### Deuteranopia

81.1546, 0.3473, 0.3523



## Tritanopia

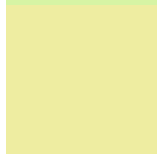
81.4749, 0.2966, 0.3095

# Trichromacy



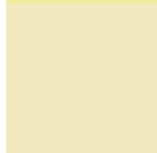
## Original Color

81.6778, 0.3410, 0.4171



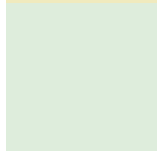
## Protanomaly

81.3187, 0.3618, 0.4088



## Deuteranomaly

81.0886, 0.3453, 0.3751



## Tritanomaly

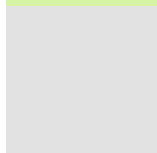
81.2653, 0.3132, 0.3471

# Monochromacy



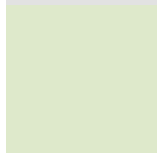
## Original Color

81.6778, 0.3410, 0.4171



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

78.1192, 0.3242, 0.3616

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.6778, 0.3410, 0.4171 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(214, 244, 164)` looks like.

```
.text, #text, p{  
    color:rgb(214, 244, 164)  
}
```

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(214, 244, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 244, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 81.6778, 0.3410, 0.4171 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(214, 244, 164) }
```

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

```
.border{ border-color:rgb(214, 244, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 244, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 244, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 244, 164);  
box-shadow:4px 4px 4px 4px rgb(214, 244,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.6778, 0.3410, 0.4171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 244, 164) }
```

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

```
.background{ background-color: rgb(214,  
244, 164) }
```

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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