

# Converting Colors

$Yxy(91.5661, 0.3262, 0.4138)$

Have a look what the booklet for  
Yxy(91.5661, 0.3262, 0.4138)  
contains.

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# Color

**Yxy(88.5578, 0.3267, 0.4094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2FFB5
RGB	210, 255, 181
RGB Percent	82%, 100%, 71%
CMY	0.1767, 0.0000, 0.2902
CMYK	0.18, 0.00, 0.29, 0.00
HSL	97°, 100%, 85%
HSV	97°, 29%, 100%
XYZ	70.6689, 88.5578, 57.0845
YIQ	233.1090, -3.0660, -32.5540

# Conversions

## Conversions Part 2

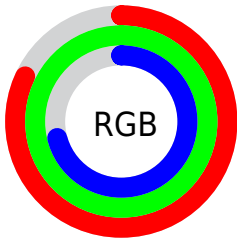
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 255, 226
Decimal	13828021
CIELab	95.40, -27.19, 30.79
CIELCh	95, 41.076, 131.440
Yxy	88.5578, 0.3267, 0.4094
Android (android.graphics.Color)	4292018101 (0xFFD2FFB5)
YUV	233.1090, -25.6897, -20.2666
Hunter-Lab	94.1052, -30.6383, 29.9081

# Details

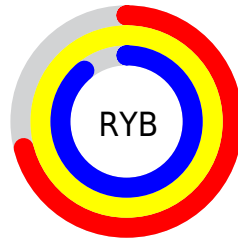
The Yxy color **88.5578, 0.3267, 0.4094** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.4451, 0.2939, 0.2515**, and the grayscale version is **81.7591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8944, 0.3232, 0.3464**, and **48.9152, 0.3287, 0.4276** is the 20% darker color. If you saturate the color by 10%, you get **85.4299, 0.3305, 0.4407**, and if you desaturate by 10%, it is **92.0850, 0.3222, 0.3796**.

# Distribution



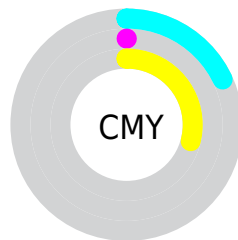
- Red (82%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (89%)



- Cyan (18%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5578, 0.3267, 0.4094 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 88.5578, 0.3267, 0.4094 by changing the saturation by 10% instead.





 88.5578, 0.3267,  
0.4094

 88.5578, 0.3267,  
0.4094


523.3282, 0.3214,  
0.3720

 66.7851, 0.3276,  
0.4179


 145.3335, 0.3251,  
0.3964

 48.9100, 0.3286,  
0.4284


181.1053, 0.3244,  
0.3914

 34.5481, 0.3296,  
0.4417


222.3122, 0.3238,  
0.3870

 23.3150, 0.3305,  
0.4589

269.3387, 0.3232,  
0.3833

 14.8263, 0.3309,  
0.4820

322.5692, 0.3227,  
0.3799

 8.6975, 0.3301,  
0.5143

382.3880, 0.3222,

 4.5444, 0.3254,

0.3770

0.5622

449.1795, 0.3218,  
0.3744

■ 1.9825, 0.3266,  
0.6734

■ 0.5973, 0.0000,  
1.0000

■ 88.5578, 0.3267,  
0.4094

■ 88.5578, 0.3267,  
0.4094

■ 85.4299, 0.3305,  
0.4407

■ 92.0850, 0.3222,  
0.3796

■ 82.7045, 0.3333,  
0.4724

■ 96.0471, 0.3173,  
0.3519

■ 80.3569, 0.3347,  
0.5030

100.0000, 0.3127,  
0.3290

■ 78.3675, 0.3343,  
0.5308

■ 76.7146, 0.3320,  
0.5539

■ 75.3730, 0.3278,  
0.5709

■ 74.3091, 0.3224,  
0.5818

■ 74.2162, 0.3218,  
0.5827

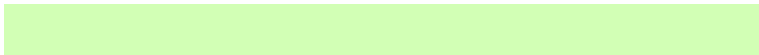
# Harmonies

## Analogous

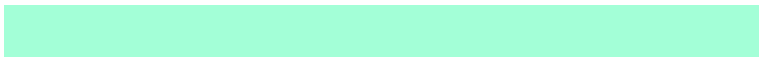
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5578, 0.3700, 0.4097



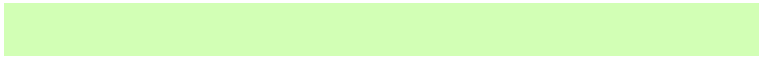
88.5578, 0.3267, 0.4094



88.5578, 0.2816, 0.3819

# Triad

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



88.5578, 0.3267, 0.4094



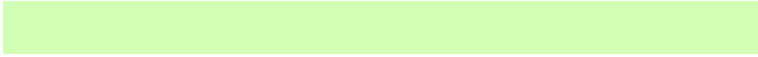
88.5578, 0.2321, 0.2653



88.5578, 0.3822, 0.3158

# Complementary

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



88.5578, 0.3267, 0.4094



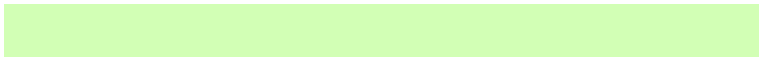
56.4451, 0.2939, 0.2515

# Split Complementary

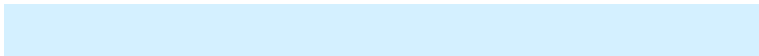
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5578, 0.3404, 0.2835



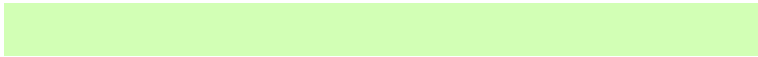
88.5578, 0.3267, 0.4094



88.5578, 0.2546, 0.2547

# Square

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



88.5578, 0.3267, 0.4094



88.5578, 0.2292, 0.2942



88.5578, 0.2933, 0.2616

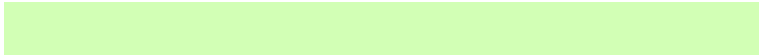


88.5578, 0.4041, 0.3528

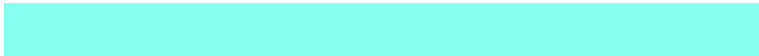


# Rectangle

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



88.5578, 0.3267, 0.4094



88.5578, 0.2565, 0.3529



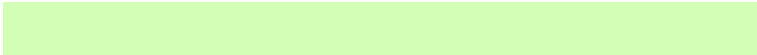
88.5578, 0.2933, 0.2616



88.5578, 0.3699, 0.3042

# Sweetspot

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



88.5511, 0.3267, 0.4094



96.0550, 0.3172, 0.3518



78.6637, 0.3646, 0.3743



20.4305, 0.3180, 0.3557



0.0000, 0.0000, 0.0000

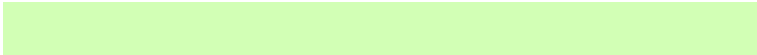


21.4041, 0.3127, 0.3290

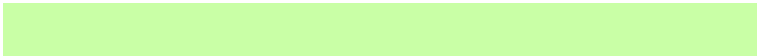


# Same Dimension

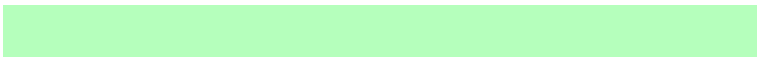
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5511, 0.3267, 0.4094



86.6357, 0.3291, 0.4280



84.9922, 0.3048, 0.4052



20.5147, 0.3175, 0.3532



38.8596, 0.3230, 0.5818



3.8446, 0.3317, 0.5748



# Inverse Universe

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



56.4451, 0.2939, 0.2515



49.6299, 0.2889, 0.2344



61.0611, 0.3217, 0.2631



17.9249, 0.3075, 0.3051



7.5147, 0.2249, 0.1013

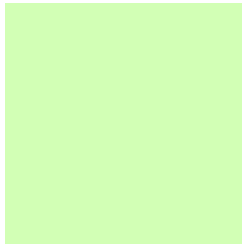


0.7949, 0.2356, 0.1072



# Previews

## White Background



This preview shows how the Yxy color 88.5578, 0.3267, 0.4094 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

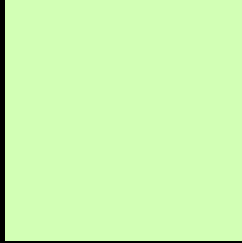
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5578, 0.3267, 0.4094 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

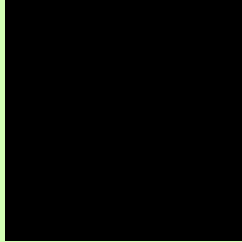
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

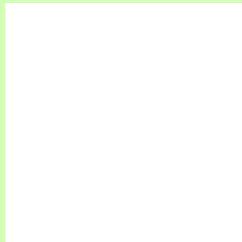
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.5578, 0.3267, 0.4094**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5578, 0.3267, 0.4094.

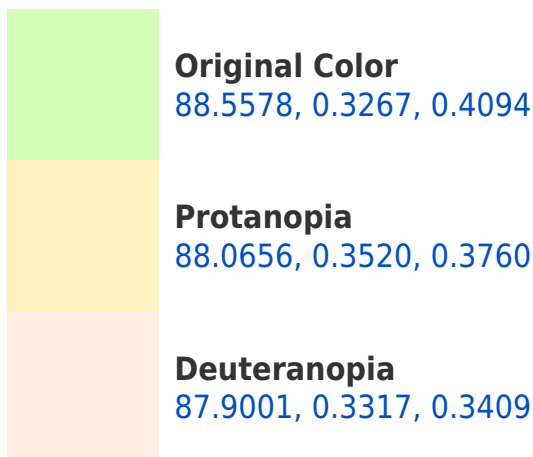


This preview shows how white text looks on a background with the Yxy color 88.5578, 0.3267, 0.4094.

# 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

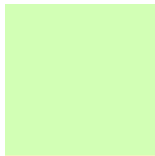




## Tritanopia

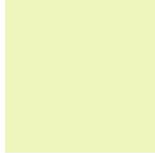
88.1442, 0.2975, 0.3169

# Trichromacy



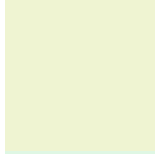
## Original Color

88.5578, 0.3267, 0.4094



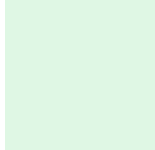
## Protanomaly

87.9364, 0.3429, 0.3879



## Deuteranomaly

87.7052, 0.3302, 0.3639



## Tritanomaly

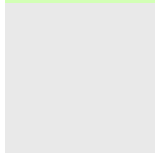
87.8109, 0.3086, 0.3488

# Monochromacy



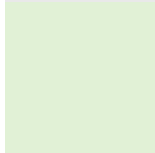
## Original Color

88.5578, 0.3267, 0.4094



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.7732, 0.3186, 0.3576

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5578, 0.3267, 0.4094 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(210, 255, 181)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 181)  
}
```

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(210, 255, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5578, 0.3267, 0.4094 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(210, 255, 181) }
```

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

```
.border{ border-color:rgb(210, 255, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 181);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5578, 0.3267, 0.4094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 181) }
```

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

```
.background{ background-color: rgb(210,  
255, 181) }
```

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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