

# Converting Colors

$Y_{xy}(153.3507, 0.3130, 0.4820)$

Have a look what the booklet for  
Yxy(153.3507, 0.3130, 0.4820)  
contains.

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# Color

**Yxy(86.2567, 0.3200, 0.4175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3FFB0
RGB	195, 255, 176
RGB Percent	76%, 100%, 69%
CMY	0.2351, 0.0000, 0.3098
CMYK	0.24, 0.00, 0.31, 0.00
HSL	106°, 100%, 85%
HSV	106°, 31%, 100%
XYZ	66.1129, 86.2567, 54.2333
YIQ	228.0540, -10.4010, -37.2890

# Conversions

## Conversions Part 2

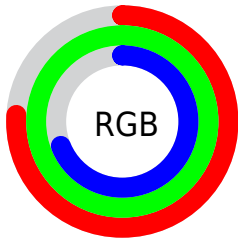
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">176, 255, 236</a>
Decimal	<a href="#">12844976</a>
CIELab	<a href="#">94.42, -32.94, 31.85</a>
CIElCh	<a href="#">94, 45.817, 135.969</a>
Yxy	<a href="#">86.2567, 0.3200, 0.4175</a>
Android (android.graphics.Color)	<a href="#">4291035056 (0xFFC3FFB0)</a>
YUV	<a href="#">228.0540, -25.6626, -28.9884</a>
Hunter-Lab	<a href="#">92.8745, -35.4647, 30.3903</a>

# Details

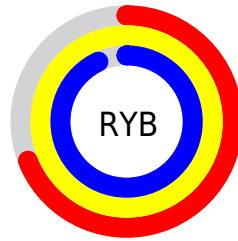
The Yxy color **86.2567, 0.3200, 0.4175** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **56.0866, 0.3014, 0.2481**, and the grayscale version is **77.8315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2288, 0.3249, 0.3513**, and **47.3937, 0.3201, 0.4387** is the 20% darker color. If you saturate the color by 10%, you get **82.9309, 0.3214, 0.4506**, and if you desaturate by 10%, it is **90.1133, 0.3180, 0.3861**.

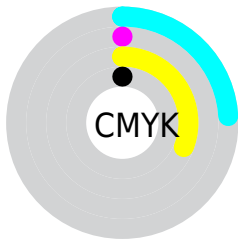
# Distribution



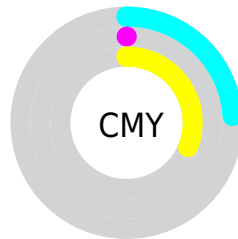
- Red (76%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (93%)



- Cyan (24%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (24%)
- Magenta (0%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2567, 0.3200, 0.4175 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 86.2567, 0.3200, 0.4175 by changing the saturation by 10% instead.





 86.2567, 0.3200,  
0.4175

 86.2567, 0.3200,  
0.4175


515.7773, 0.3179,  
0.3759

 64.8803, 0.3201,  
0.4271

 142.1277, 0.3195,  
0.4030

 47.3640, 0.3202,  
0.4390


177.3910, 0.3193,  
0.3973

 33.3235, 0.3199,  
0.4541


218.0520, 0.3190,  
0.3925

 22.3744, 0.3191,  
0.4738

264.4952, 0.3188,  
0.3883

 14.1322, 0.3171,  
0.5005

317.1049, 0.3186,  
0.3846

 8.2127, 0.3125,  
0.5383


376.2656, 0.3183,

 4.2314, 0.3024,

0.3814

442.3616, 0.3181,  
0.3785


0.5965


 1.8038, 0.2834,  
0.7166


 0.4895, 0.0000,  
1.0000


 86.2567, 0.3200,  
0.4175

 86.2567, 0.3200,  
0.4175

 82.9309, 0.3214,  
0.4506

 90.1133, 0.3180,  
0.3861

 80.1015, 0.3219,  
0.4843

 94.5115, 0.3156,  
0.3573

 77.7470, 0.3213,  
0.5166

 99.4755, 0.3130,  
0.3314

 75.8397, 0.3195,  
0.5455

99.9958, 0.3127,  
0.3290

■ 74.3490, 0.3165,  
0.5687

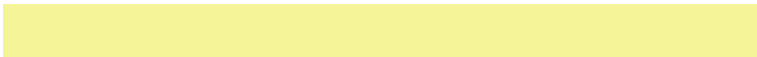
■ 73.2398, 0.3124,  
0.5847

■ 72.5256, 0.3085,  
0.5932

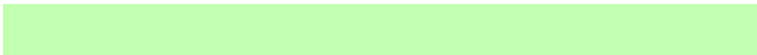
# Harmonies

## Analogous

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



86.2567, 0.3698, 0.4217



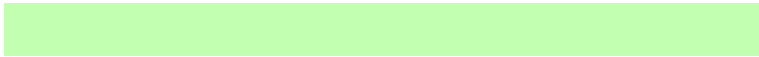
86.2567, 0.3200, 0.4175



86.2567, 0.2706, 0.3821

# Triad

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



86.2567, 0.3200, 0.4175



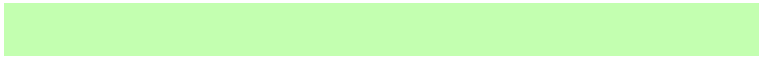
86.2567, 0.2254, 0.2545



86.2567, 0.3965, 0.3199

# Complementary

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



86.2567, 0.3200, 0.4175



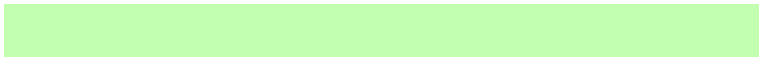
56.0866, 0.3014, 0.2481

# Split Complementary

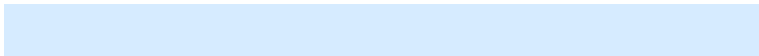
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2567, 0.3516, 0.2830



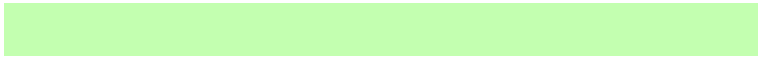
86.2567, 0.3200, 0.4175



86.2567, 0.2531, 0.2462

# Square

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



86.2567, 0.3200, 0.4175



86.2567, 0.2188, 0.2833



86.2567, 0.2984, 0.2568

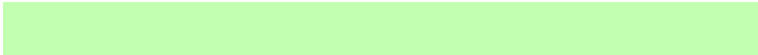


86.2567, 0.4167, 0.3610



# Rectangle

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



86.2567, 0.3200, 0.4175



86.2567, 0.2444, 0.3478



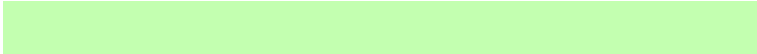
86.2567, 0.2984, 0.2568



86.2567, 0.3836, 0.3068

# Sweetspot

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



86.2604, 0.3200, 0.4175



95.4553, 0.3151, 0.3520



83.9489, 0.3652, 0.3888



20.2835, 0.3155, 0.3559



0.0000, 0.0000, 0.0000

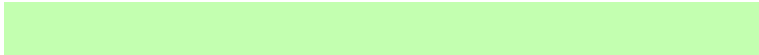


21.4041, 0.3127, 0.3290

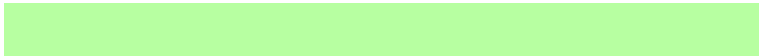


# Same Dimension

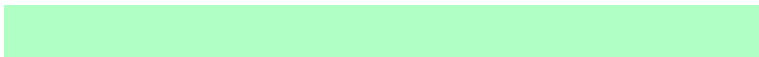
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2604, 0.3200, 0.4175



84.2003, 0.3209, 0.4373



84.7187, 0.2980, 0.3970



20.3798, 0.3152, 0.3533



37.9554, 0.3094, 0.5925



3.7435, 0.3169, 0.5866



# Inverse Universe

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



56.0866, 0.3014, 0.2481



49.7811, 0.2985, 0.2319



58.3183, 0.3318, 0.2695



18.0665, 0.3099, 0.3053



9.8000, 0.2603, 0.1208

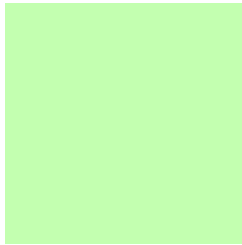


1.0045, 0.2675, 0.1247



# Previews

## White Background



This preview shows how the Yxy color 86.2567, 0.3200, 0.4175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

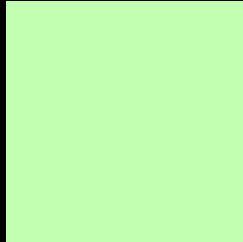
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.2567, 0.3200, 0.4175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

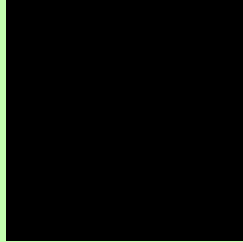
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

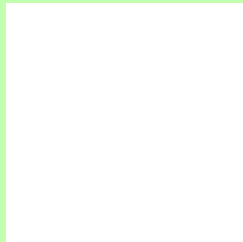
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.2567, 0.3200, 0.4175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.2567, 0.3200, 0.4175.

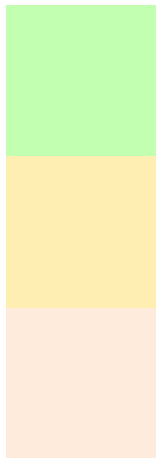


This preview shows how white text looks on a background with the Yxy color 86.2567, 0.3200, 0.4175.

# 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

86.2567, 0.3200, 0.4175

### Protanopia

85.5834, 0.3638, 0.3904

### Deuteranopia

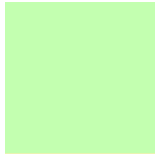
85.7911, 0.3367, 0.3450



## Tritanopia

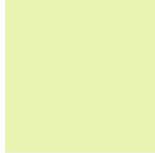
85.9399, 0.2913, 0.3156

# Trichromacy



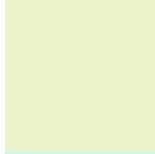
## Original Color

86.2567, 0.3200, 0.4175



## Protanomaly

85.1993, 0.3465, 0.3996



## Deuteranomaly

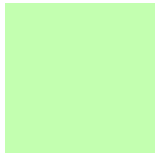
85.1397, 0.3307, 0.3699



## Tritanomaly

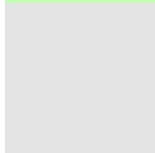
85.8614, 0.3022, 0.3514

# Monochromacy



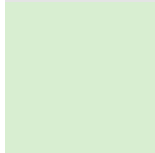
## Original Color

86.2567, 0.3200, 0.4175



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

80.3515, 0.3159, 0.3605

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.2567, 0.3200, 0.4175 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(195, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(195, 255, 176)  
}
```

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(195, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 255, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 86.2567, 0.3200, 0.4175 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(195, 255, 176) }
```

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

```
.border{ border-color:rgb(195, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(195, 255,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.2567, 0.3200, 0.4175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 255, 176) }
```

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

```
.background{ background-color: rgb(195,  
255, 176) }
```

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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