

# Converting Colors

$Yxy(85.0124, 0.3176, 0.3984)$

Have a look what the booklet for  
Yxy(85.0124, 0.3176, 0.3984)  
contains.

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# **Color**

**Yxy(85.0427, 0.3175, 0.3990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9FBBC
RGB	201, 251, 188
RGB Percent	79%, 98%, 74%
CMY	0.2116, 0.0157, 0.2627
CMYK	0.20, 0.00, 0.25, 0.02
HSL	108°, 89%, 86%
HSV	108°, 25%, 98%
XYZ	67.6718, 85.0427, 60.4251
YIQ	228.8680, -9.5770, -30.1930

# Conversions

## Conversions Part 2

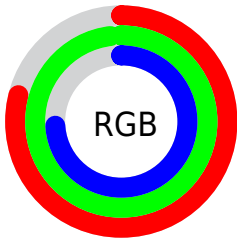
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 251, 238
Decimal	13237180
CIELab	93.90, -27.24, 25.13
CIELCh	94, 37.063, 137.309
Yxy	85.0427, 0.3175, 0.3990
Android (android.graphics.Color)	4291427260 (0xFFC9FBBC)
YUV	228.8680, -20.1479, -24.4402
Hunter-Lab	92.2186, -30.3957, 25.7040

# Details

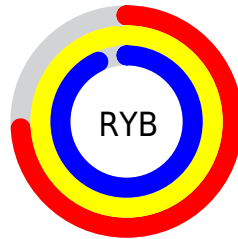
The Yxy color **85.0427, 0.3175, 0.3990** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.0995, 0.3057, 0.2644**, and the grayscale version is **78.4175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **46.4158, 0.3179, 0.4162** is the 20% darker color. If you saturate the color by 10%, you get **81.4737, 0.3188, 0.4315**, and if you desaturate by 10%, it is **89.1645, 0.3158, 0.3689**.

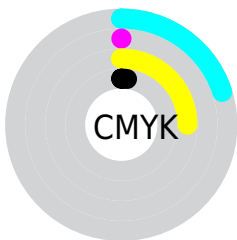
# Distribution



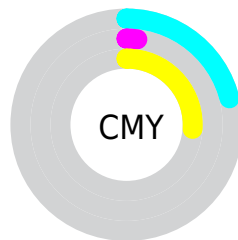
- Red (79%)
- Green (98%)
- Blue (74%)



- Red (74%)
- Yellow (98%)
- Blue (93%)



- Cyan (20%)
- Magenta (0%)
- Yellow (25%)
- Black (2%)




- Cyan (21%)
- Magenta (2%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0427, 0.3175, 0.3990 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 85.0427, 0.3175, 0.3990 by changing the saturation by 10% instead.



 85.0427, 0.3175,  
0.3990

 85.0427, 0.3175,  
0.3990


511.7694, 0.3161,  
0.3662

 63.8767, 0.3176,  
0.4066


 140.4328, 0.3172,  
0.3876

 46.5508, 0.3177,  
0.4159


175.4257, 0.3170,  
0.3831

 32.6807, 0.3176,  
0.4278


215.7963, 0.3168,  
0.3793

 21.8819, 0.3172,  
0.4434

261.9291, 0.3167,  
0.3760

 13.7702, 0.3161,  
0.4647

314.2084, 0.3165,  
0.3731

 7.9610, 0.3135,  
0.4952

373.0186, 0.3164,

 4.0700, 0.3071,

0.3705

0.5420

438.7441, 0.3162,  
0.3682

1.7128, 0.3178,  
0.6822

0.4319, 0.0000,  
1.0000

85.0427, 0.3175,  
0.3990

85.0427, 0.3175,  
0.3990

81.4737, 0.3188,  
0.4315

89.1645, 0.3158,  
0.3689

78.4233, 0.3194,  
0.4654


93.8502, 0.3138,  
0.3417


75.8700, 0.3191,  
0.4992

97.4707, 0.3129,  
0.3252

73.7865, 0.3178,  
0.5307

 72.1428, 0.3155,  
0.5577

 70.9052, 0.3122,  
0.5781

 70.0342, 0.3083,  
0.5909

 69.7207, 0.3064,  
0.5949

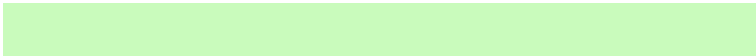
# Harmonies

## Analogous

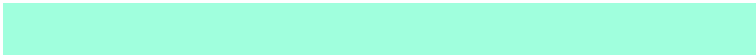
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.0427, 0.3584, 0.4046



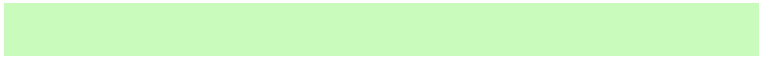
85.0427, 0.3175, 0.3990



85.0427, 0.2771, 0.3699

# Triad

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



85.0427, 0.3175, 0.3990



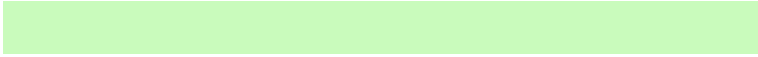
85.0427, 0.2412, 0.2673



85.0427, 0.3819, 0.3237

# Complementary

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



85.0427, 0.3175, 0.3990



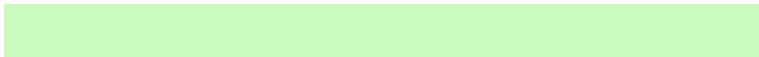
61.0995, 0.3057, 0.2644

# Split Complementary

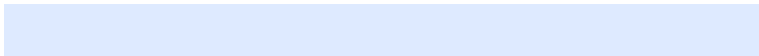
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.0427, 0.3465, 0.2924



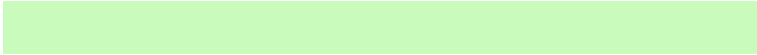
85.0427, 0.3175, 0.3990



85.0427, 0.2653, 0.2605

# Square

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



85.0427, 0.3175, 0.3990



85.0427, 0.2349, 0.2910



85.0427, 0.3033, 0.2698

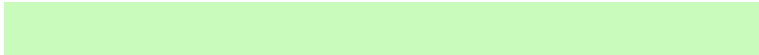


85.0427, 0.3973, 0.3580

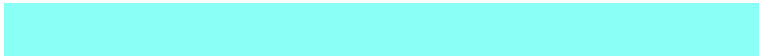


# Rectangle

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



85.0427, 0.3175, 0.3990



85.0427, 0.2556, 0.3427



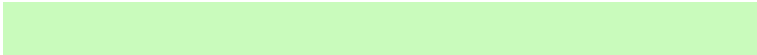
85.0427, 0.3033, 0.2698



85.0427, 0.3718, 0.3126

# Sweetspot

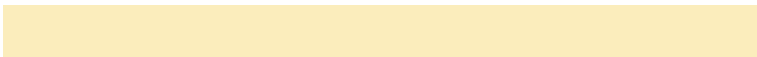
The Sweet Spot groups the original color and five complimentary colors.



85.0463, 0.3175, 0.3990



95.8155, 0.3144, 0.3493



84.9079, 0.3539, 0.3792



20.3494, 0.3147, 0.3534



0.0000, 0.0000, 0.0000

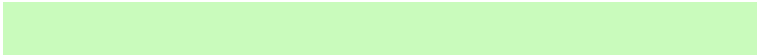


21.4041, 0.3127, 0.3290

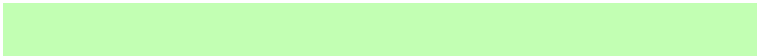


# Same Dimension

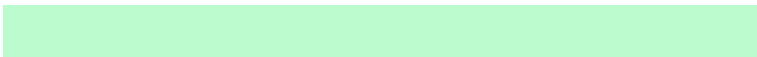
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0463, 0.3175, 0.3990



86.2699, 0.3182, 0.4148



84.1313, 0.2995, 0.3798



19.4824, 0.3147, 0.3533



36.6994, 0.3072, 0.5943



3.4420, 0.3146, 0.5884



# Inverse Universe

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



61.0995, 0.3057, 0.2644



57.6373, 0.3039, 0.2512



62.3671, 0.3291, 0.2831



17.3324, 0.3105, 0.3054



10.1080, 0.2689, 0.1255

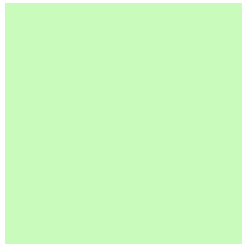


0.9802, 0.2754, 0.1291



# Previews

## White Background



This preview shows how the Yxy color 85.0427, 0.3175, 0.3990 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 85.0427, 0.3175, 0.3990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

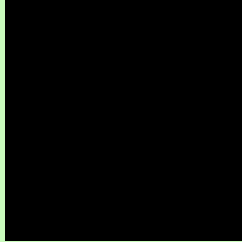
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

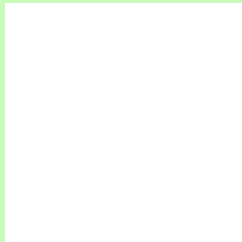
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.0427, 0.3175, 0.3990**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.0427, 0.3175, 0.3990.

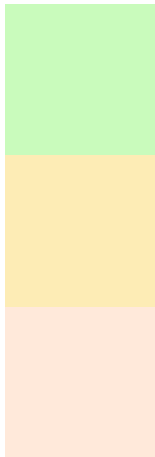


This preview shows how white text looks on a background with the Yxy color 85.0427, 0.3175, 0.3990.

# 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

85.0427, 0.3175, 0.3990

### Protanopia

84.2097, 0.3602, 0.3848

### Deuteranopia

84.5998, 0.3377, 0.3440



## Tritanopia

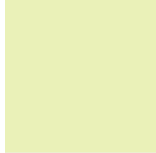
84.6002, 0.2906, 0.3135

# Trichromacy



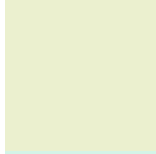
## Original Color

85.0427, 0.3175, 0.3990



## Protanomaly

83.8637, 0.3435, 0.3891



## Deuteranomaly

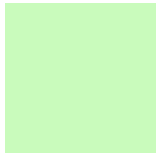
84.4873, 0.3299, 0.3634



## Tritanomaly

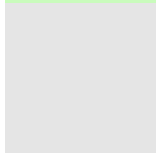
84.4679, 0.3000, 0.3428

# Monochromacy



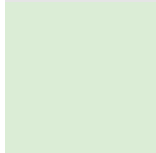
## Original Color

85.0427, 0.3175, 0.3990



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.4835, 0.3149, 0.3538

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.0427, 0.3175, 0.3990 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(201, 251, 188)` looks like.

```
.text, #text, p{  
    color:rgb(201, 251, 188)  
}
```

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(201, 251, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 251, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 85.0427, 0.3175, 0.3990 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(201, 251, 188) }
```

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

```
.border{ border-color:rgb(201, 251, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 251, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 251, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 251, 188);  
box-shadow:4px 4px 4px 4px rgb(201, 251,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.0427, 0.3175, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 251, 188) }
```

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

```
.background{ background-color: rgb(201,  
251, 188) }
```

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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