

# Converting Colors

Yxy(87.3602, 0.3162, 0.3826)

Have a look what the booklet for  
Yxy(87.3602, 0.3162, 0.3826)  
contains.

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# Color

**Yxy(87.1075, 0.3159, 0.3820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3FBCA
RGB	211, 251, 202
RGB Percent	83%, 98%, 79%
CMY	0.1723, 0.0157, 0.2079
CMYK	0.16, 0.00, 0.20, 0.02
HSL	109°, 86%, 89%
HSV	109°, 20%, 98%
XYZ	72.0347, 87.1075, 68.8879
YIQ	233.4540, -8.1110, -23.7190

# Conversions

## Conversions Part 2

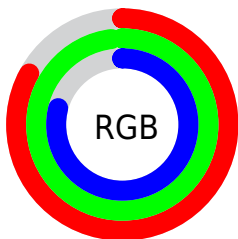
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	202, 251, 242
Decimal	13892554
CIE <sub>Lab</sub>	94.78, -21.65, 19.31
CIE <sub>LCh</sub>	95, 29.011, 138.267
Yxy	87.1075, 0.3159, 0.3820
Android (android.graphics.Color)	4292082634 (0xFFD3FBCA)
YUV	233.4540, -15.5068, -19.6922
Hunter-Lab	93.3314, -25.5607, 21.5700

# Details

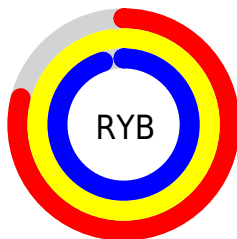
The Yxy color **87.1075, 0.3159, 0.3820** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.0646, 0.3083, 0.2794**, and the grayscale version is **81.9792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.7896, 0.3160, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **83.1853, 0.3171, 0.4134**, and if you desaturate by 10%, it is **91.6149, 0.3144, 0.3534**.

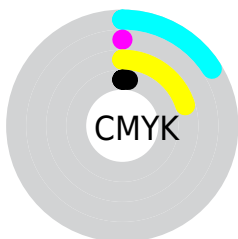
# Distribution



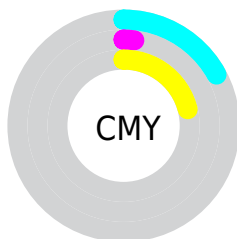
- Red (83%)
- Green (98%)
- Blue (79%)



- Red (79%)
- Yellow (98%)
- Blue (95%)



- Cyan (16%)
- Magenta (0%)
- Yellow (20%)
- Black (2%)




- Cyan (17%)
- Magenta (2%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1075, 0.3159, 0.3820 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 87.1075, 0.3159, 0.3820 by changing the saturation by 10% instead.



 87.1075, 0.3159,  
0.3820

 87.1075, 0.3159,  
0.3820

518.5760, 0.3149,  
0.3575

 65.5842, 0.3160,  
0.3876


143.3140, 0.3156,  
0.3735

 47.9349, 0.3161,  
0.3945

178.7659, 0.3155,  
0.3702

 33.7754, 0.3161,  
0.4033


219.6295, 0.3154,  
0.3673

 22.7211, 0.3160,  
0.4147

266.2891, 0.3153,  
0.3648

 14.3877, 0.3156,  
0.4301

319.1292, 0.3152,  
0.3627

 8.3908, 0.3145,  
0.4523


378.5341, 0.3151,


 4.3460, 0.3116,


0.3607


0.4863


444.8883, 0.3150,  
0.3590


 1.8689, 0.3115,  
0.5593


 0.5296, 0.0000,  
1.0000


 87.1075, 0.3159,  
0.3820


 87.1075, 0.3159,  
0.3820


 83.1853, 0.3171,  
0.4134

 91.6149, 0.3144,  
0.3534

 79.8133, 0.3178,  
0.4469

 96.7186, 0.3126,  
0.3278

 76.9698, 0.3178,  
0.4812

 97.4687, 0.3129,  
0.3252

 74.6276, 0.3169,  
0.5145

■ 72.7566, 0.3151,  
0.5445

■ 71.3235, 0.3124,  
0.5689

■ 70.2902, 0.3089,  
0.5859

■ 69.6066, 0.3054,  
0.5955

■ 69.5807, 0.3052,  
0.5959

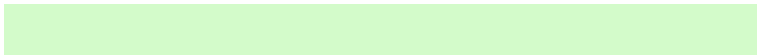
# Harmonies

## Analogous

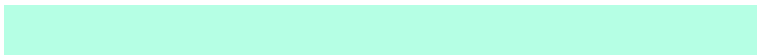
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1075, 0.3478, 0.3877



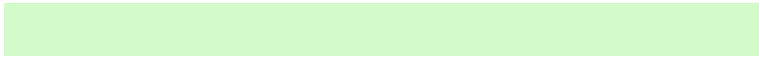
87.1075, 0.3159, 0.3820



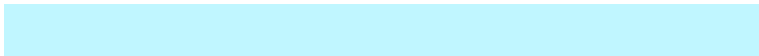
87.1075, 0.2843, 0.3595

# Triad

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



87.1075, 0.3159, 0.3820



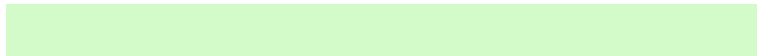
87.1075, 0.2568, 0.2804



87.1075, 0.3669, 0.3262

# Complementary

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



87.1075, 0.3159, 0.3820



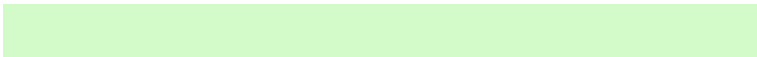
68.0646, 0.3083, 0.2794

# 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.



87.1075, 0.3401, 0.3009



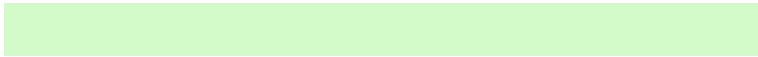
87.1075, 0.3159, 0.3820



87.1075, 0.2766, 0.2750

# Square

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



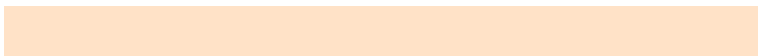
87.1075, 0.3159, 0.3820



87.1075, 0.2512, 0.2992



87.1075, 0.3068, 0.2825

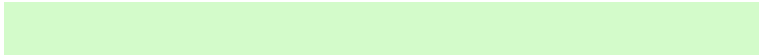


87.1075, 0.3783, 0.3534

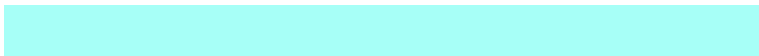


# Rectangle

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



87.1075, 0.3159, 0.3820



87.1075, 0.2674, 0.3389



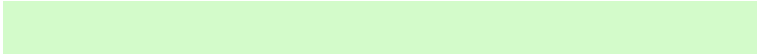
87.1075, 0.3068, 0.2825



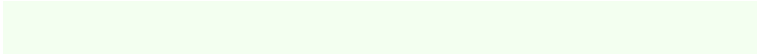
87.1075, 0.3593, 0.3173

# Sweetspot

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



87.1112, 0.3159, 0.3820



96.7652, 0.3138, 0.3441



87.7953, 0.3440, 0.3685



20.6393, 0.3139, 0.3458



0.0000, 0.0000, 0.0000

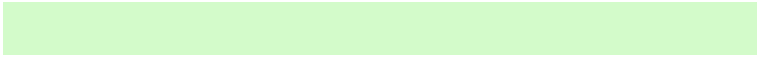


21.4041, 0.3127, 0.3290

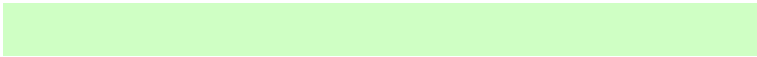


# Same Dimension

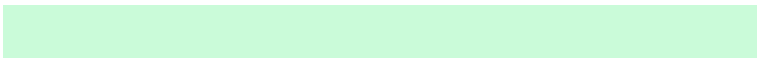
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1112, 0.3159, 0.3820



88.8173, 0.3164, 0.3927



86.5379, 0.3019, 0.3663



19.4638, 0.3144, 0.3533



36.6226, 0.3060, 0.5953



3.4323, 0.3130, 0.5897



# Inverse Universe

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



68.0646, 0.3083, 0.2794



66.1159, 0.3074, 0.2701



68.8181, 0.3255, 0.2944



17.3526, 0.3108, 0.3054



10.5072, 0.2744, 0.1285

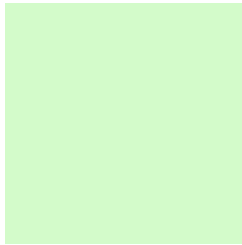


1.0138, 0.2802, 0.1317



# Previews

## White Background



This preview shows how the Yxy color 87.1075, 0.3159, 0.3820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

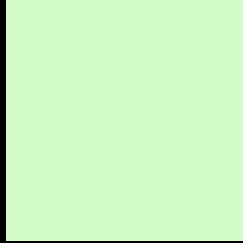
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.1075, 0.3159, 0.3820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

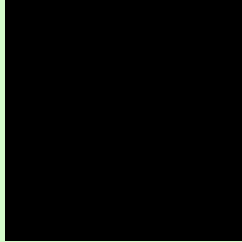
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

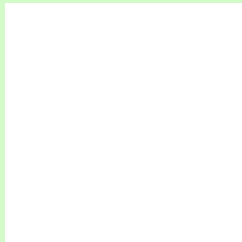
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.1075, 0.3159, 0.3820**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.1075, 0.3159, 0.3820.

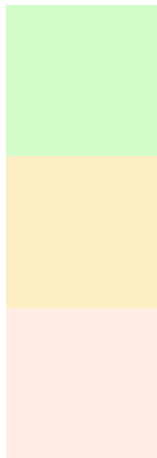


This preview shows how white text looks on a background with the Yxy color 87.1075, 0.3159, 0.3820.

# 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

87.1075, 0.3159, 0.3820

### Protanopia

86.6012, 0.3497, 0.3723

### Deuteranopia

86.7419, 0.3320, 0.3389



## Tritanopia

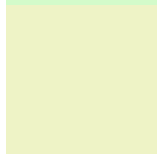
87.0552, 0.2956, 0.3158

# Trichromacy



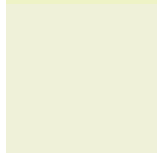
## Original Color

87.1075, 0.3159, 0.3820



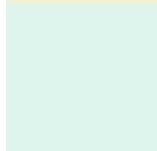
## Protanomaly

86.3555, 0.3372, 0.3757



## Deuteranomaly

86.2711, 0.3262, 0.3536



## Tritanomaly

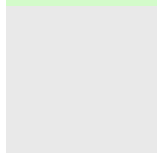
86.7331, 0.3028, 0.3383

# Monochromacy



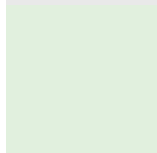
## Original Color

87.1075, 0.3159, 0.3820



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.6017, 0.3138, 0.3480

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.1075, 0.3159, 0.3820 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(211, 251, 202)` looks like.

```
.text, #text, p{  
    color:rgb(211, 251, 202)  
}
```

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(211, 251, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 251, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 87.1075, 0.3159, 0.3820 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(211, 251, 202) }
```

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

```
.border{ border-color:rgb(211, 251, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 251, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 251, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 251, 202);  
box-shadow:4px 4px 4px 4px rgb(211, 251,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.1075, 0.3159, 0.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 251, 202) }
```

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

```
.background{ background-color: rgb(211,  
251, 202) }
```

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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