

# Converting Colors

Yxy(86.0546, 0.3050, 0.3968)

Have a look what the booklet for  
Yxy(86.0546, 0.3050, 0.3968)  
contains.

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# Color

**Yxy(86.0249, 0.3048, 0.3966)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBFFC3
RGB	187, 255, 195
RGB Percent	73%, 100%, 76%
CMY	0.2665, 0.0000, 0.2352
CMYK	0.27, 0.00, 0.24, 0.00
HSL	127°, 100%, 87%
HSV	127°, 27%, 100%
XYZ	66.1129, 86.0249, 64.7681
YIQ	227.8280, -21.2680, -33.0760

# Conversions

## Conversions Part 2

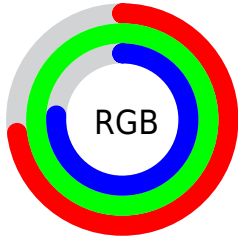
Format	Color
<a href="#">RYB</a>	<a href="#">187, 248, 255</a>
Decimal	<a href="#">12320707</a>
CIELab	<a href="#">94.32, -32.51, 22.01</a>
CIELCh	<a href="#">94, 39.264, 145.904</a>
Yxy	<a href="#">86.0249, 0.3048, 0.3966</a>
Android (android.graphics.Color)	<a href="#">4290510787</a> ( <a href="#">0xFFBBFFC3</a> )
YUV	<a href="#">227.8280, -16.1842, -35.8062</a>
Hunter-Lab	<a href="#">92.7496, -35.0751, 23.5218</a>

# Details

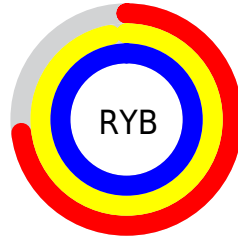
The Yxy color **86.0249, 0.3048, 0.3966** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.5306, 0.3218, 0.2697**, and the grayscale version is **77.5916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7814, 0.3077, 0.3319**, and **47.2168, 0.3022, 0.4134** is the 20% darker color. If you saturate the color by 10%, you get **82.1496, 0.3019, 0.4272**, and if you desaturate by 10%, it is **90.6318, 0.3078, 0.3687**.

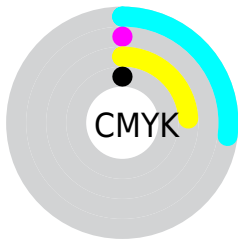
# Distribution



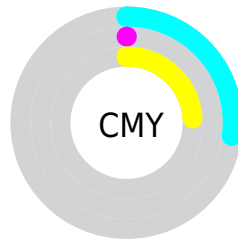
- Red (73%)
- Green (100%)
- Blue (76%)



- Red (73%)
- Yellow (97%)
- Blue (100%)



- Cyan (27%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.0249, 0.3048, 0.3966 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 86.0249, 0.3048, 0.3966 by changing the saturation by 10% instead.




 86.0249, 0.3048,  
0.3966

 86.0249, 0.3048,  
0.3966


515.0133, 0.3091,  
0.3649

 64.6886, 0.3037,  
0.4039


 141.8042, 0.3064,  
0.3855

 47.2086, 0.3022,  
0.4131


177.0160, 0.3070,  
0.3812

 33.2006, 0.3003,  
0.4247


217.6218, 0.3075,  
0.3775

 22.2802, 0.2975,  
0.4399

264.0058, 0.3079,  
0.3743

 14.0629, 0.2934,  
0.4608

316.5526, 0.3083,  
0.3715

 8.1644, 0.2867,  
0.4910

375.6465, 0.3086,

 4.2003, 0.2748,

0.3690

0.5382

441.6720, 0.3088,  
0.3668

■ 1.7863, 0.2655,  
0.6647

■ 0.4786, 0.0000,  
1.0000

■ 86.0249, 0.3048,  
0.3966

■ 86.0249, 0.3048,  
0.3966

■ 82.1496, 0.3019,  
0.4272

■ 90.6318, 0.3078,  
0.3687

■ 78.9580, 0.2994,  
0.4596

■ 95.9939, 0.3108,  
0.3438

■ 76.4134, 0.2973,  
0.4926

■ 99.9975, 0.3127,  
0.3290

■ 74.4713, 0.2961,  
0.5242

■ 73.0813, 0.2957,  
0.5522

■ 72.1849, 0.2963,  
0.5744

■ 71.7096, 0.2977,  
0.5895

■ 71.6113, 0.2981,  
0.5930

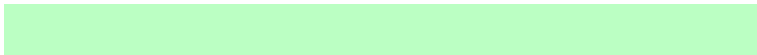
# Harmonies

## Analogous

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



86.0249, 0.3490, 0.4100



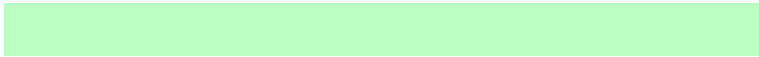
86.0249, 0.3048, 0.3966



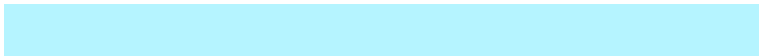
86.0249, 0.2646, 0.3603

# Triad

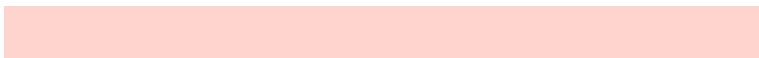
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.0249, 0.3048, 0.3966



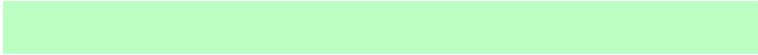
86.0249, 0.2430, 0.2602



86.0249, 0.3930, 0.3335

# Complementary

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



86.0249, 0.3048, 0.3966



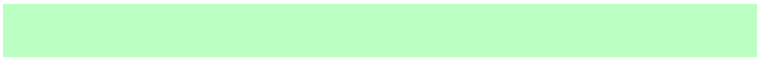
63.5306, 0.3218, 0.2697

# 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.



86.0249, 0.3605, 0.2991



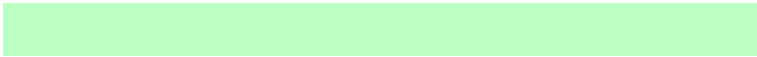
86.0249, 0.3048, 0.3966



86.0249, 0.2730, 0.2583

# Square

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



86.0249, 0.3048, 0.3966



86.0249, 0.2308, 0.2799



86.0249, 0.3157, 0.2724

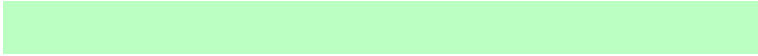


86.0249, 0.4018, 0.3691



# Rectangle

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



86.0249, 0.3048, 0.3966



86.0249, 0.2451, 0.3305



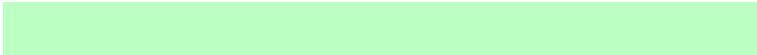
86.0249, 0.3157, 0.2724



86.0249, 0.3844, 0.3216

# Sweetspot

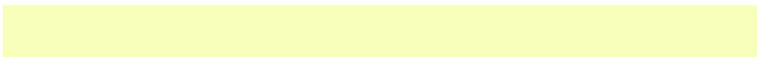
The Sweet Spot groups the original color and five complimentary colors.



86.0285, 0.3048, 0.3966



95.2286, 0.3104, 0.3470



94.8934, 0.3478, 0.3971



20.2029, 0.3099, 0.3506



0.0000, 0.0000, 0.0000

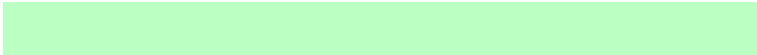


21.4041, 0.3127, 0.3290

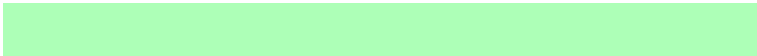


# Same Dimension

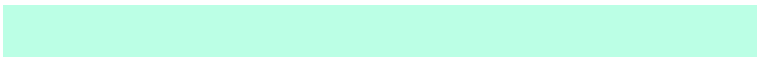
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.0285, 0.3048, 0.3966



83.8689, 0.3032, 0.4127



87.7409, 0.2868, 0.3575



20.2029, 0.3099, 0.3506



37.4306, 0.2976, 0.5915



3.6551, 0.2935, 0.5767



# Inverse Universe

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



63.5306, 0.3218, 0.2697



57.9177, 0.3239, 0.2577



61.6238, 0.3485, 0.3023



18.2614, 0.3156, 0.3083



13.9638, 0.3531, 0.1719

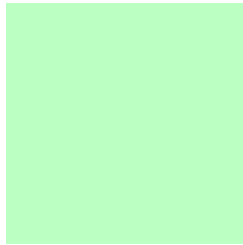


1.3696, 0.3489, 0.1696



# Previews

## White Background



This preview shows how the Yxy color 86.0249, 0.3048, 0.3966 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

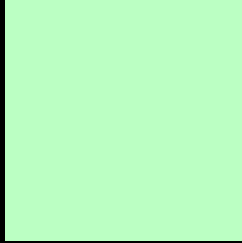
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.0249, 0.3048, 0.3966 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

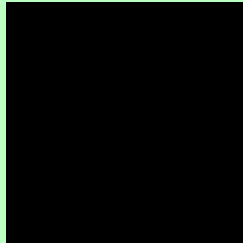
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

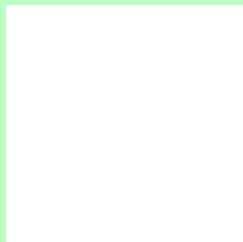
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.0249, 0.3048, 0.3966**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.0249, 0.3048, 0.3966.

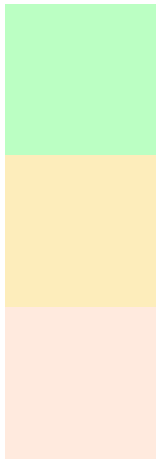


This preview shows how white text looks on a background with the Yxy color 86.0249, 0.3048, 0.3966.

# 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

86.0249, 0.3048, 0.3966

### Protanopia

85.0389, 0.3560, 0.3796

### Deuteranopia

85.3796, 0.3349, 0.3410



## Tritanopia

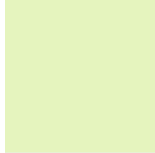
85.9201, 0.2889, 0.3166

# Trichromacy



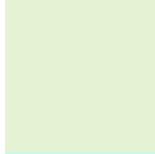
## Original Color

86.0249, 0.3048, 0.3966



## Protanomaly

85.0771, 0.3358, 0.3862



## Deuteranomaly

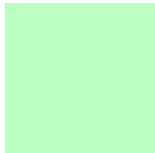
85.0807, 0.3231, 0.3605



## Tritanomaly

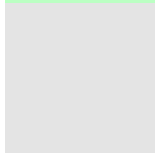
85.3839, 0.2946, 0.3439

# Monochromacy



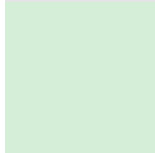
## Original Color

86.0249, 0.3048, 0.3966



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

80.2531, 0.3096, 0.3529

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.0249, 0.3048, 0.3966 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(187, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 195)  
}
```

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(187, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 86.0249, 0.3048, 0.3966 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(187, 255, 195) }
```

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

```
.border{ border-color:rgb(187, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.0249, 0.3048, 0.3966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 195) }
```

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

```
.background{ background-color: rgb(187,  
255, 195) }
```

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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