

# Converting Colors

$Yxy(86.9958, 0.3027, 0.3565)$

Have a look what the booklet for  
Yxy(86.9958, 0.3027, 0.3565)  
contains.

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# Color

**Yxy(86.8348, 0.3027, 0.3557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F9E0
RGB	210, 249, 224
RGB Percent	82%, 98%, 88%
CMY	0.1767, 0.0235, 0.1215
CMYK	0.16, 0.00, 0.10, 0.02
HSL	142°, 77%, 90%
HSV	142°, 16%, 98%
XYZ	73.8962, 86.8348, 83.3927
YIQ	234.4890, -15.2190, -16.0430

# Conversions

## Conversions Part 2

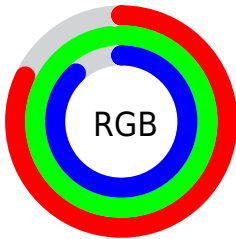
Format	Color
R <sub>YB</sub>	210, 239, 249
Decimal	13826528
CIE Lab	94.67, -17.26, 7.82
CIE LCh	95, 18.947, 155.622
Yxy	86.8348, 0.3027, 0.3557
Android (android.graphics.Color)	4292016608 (0xFFD2F9E0)
YUV	234.4890, -5.1711, -21.4769
Hunter-Lab	93.1852, -21.5228, 12.1702

# Details

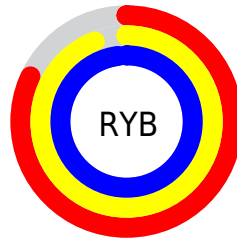
The Yxy color **86.8348, 0.3027, 0.3557** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.2018, 0.3243, 0.3037**, and the grayscale version is **82.7126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.5324, 0.3002, 0.3609** is the 20% darker color. If you saturate the color by 10%, you get **82.6400, 0.2966, 0.3754**, and if you desaturate by 10%, it is **91.6866, 0.3091, 0.3381**.

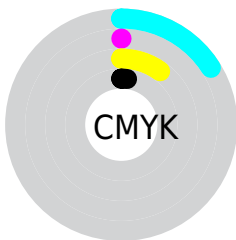
# Distribution



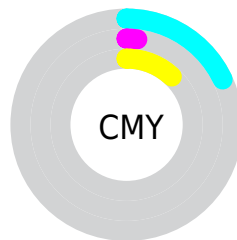
- Red (82%)
- Green (98%)
- Blue (88%)



- Red (82%)
- Yellow (94%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)




- Cyan (18%)
- Magenta (2%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8348, 0.3027, 0.3557 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 86.8348, 0.3027, 0.3557 by changing the saturation by 10% instead.




 86.8348, 0.3027,  
0.3557

 86.8348, 0.3027,  
0.3557

517.6799, 0.3073,  
0.3435

 65.3585, 0.3017,  
0.3585


142.9339, 0.3043,  
0.3515

 47.7518, 0.3004,  
0.3619

178.3254, 0.3049,  
0.3498

 33.6304, 0.2987,  
0.3661


219.1242, 0.3055,  
0.3484

 22.6098, 0.2966,  
0.3717

265.7145, 0.3059,  
0.3472

 14.3057, 0.2937,  
0.3792

318.4809, 0.3063,  
0.3461

 8.3336, 0.2895,  
0.3900

377.8076, 0.3067,

 4.3091, 0.2831,

0.3451

0.4065

444.0792, 0.3070,  
0.3443

■ 1.8479, 0.2718,  
0.4351

■ 0.5168, 0.1160,  
0.8576

■ 86.8348, 0.3027,  
0.3557

■ 86.8348, 0.3027,  
0.3557

■ 82.6400, 0.2966,  
0.3754

■ 91.6866, 0.3091,  
0.3381

■ 79.0628, 0.2909,  
0.3970

■ 96.2434, 0.3130,  
0.3233

■ 76.0762, 0.2860,  
0.4204

■ 73.6470, 0.2823,  
0.4450

■ 71.7385, 0.2800,  
0.4702

■ 70.3094, 0.2795,  
0.4950

■ 69.3118, 0.2808,  
0.5183

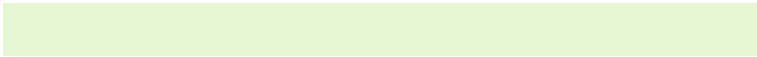
■ 68.6868, 0.2838,  
0.5392

■ 68.4957, 0.2854,  
0.5473

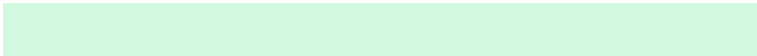
# Harmonies

## Analogous

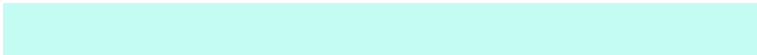
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8348, 0.3243, 0.3660



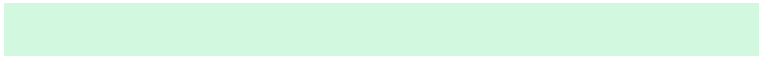
86.8348, 0.3027, 0.3557



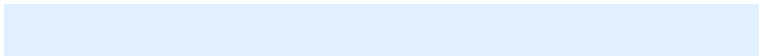
86.8348, 0.2842, 0.3375

# Triad

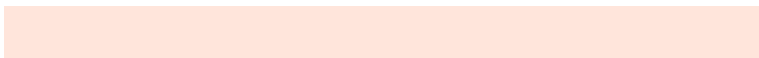
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8348, 0.3027, 0.3557



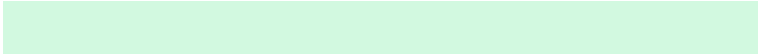
86.8348, 0.2823, 0.2936



86.8348, 0.3537, 0.3383

# Complementary

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



86.8348, 0.3027, 0.3557



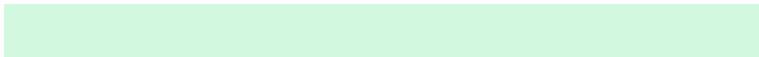
72.2018, 0.3243, 0.3037

# 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.



86.8348, 0.3417, 0.3200



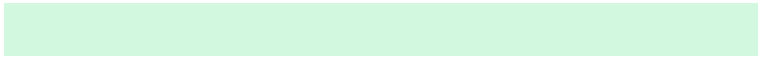
86.8348, 0.3027, 0.3557



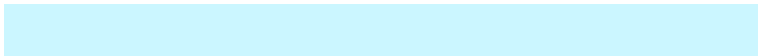
86.8348, 0.3001, 0.2948

# Square

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



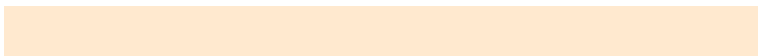
86.8348, 0.3027, 0.3557



86.8348, 0.2727, 0.3015



86.8348, 0.3218, 0.3044

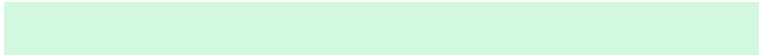


86.8348, 0.3542, 0.3550



# Rectangle

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



86.8348, 0.3027, 0.3557



86.8348, 0.2760, 0.3239



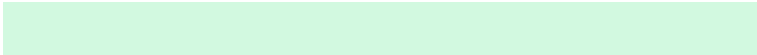
86.8348, 0.3218, 0.3044



86.8348, 0.3508, 0.3321

# Sweetspot

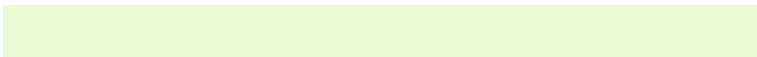
The Sweet Spot groups the original color and five complimentary colors.



86.8385, 0.3027, 0.3557



97.1471, 0.3095, 0.3370



90.1338, 0.3272, 0.3692



20.7107, 0.3091, 0.3381



0.0000, 0.0000, 0.0000

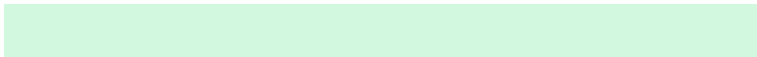


21.4041, 0.3127, 0.3290

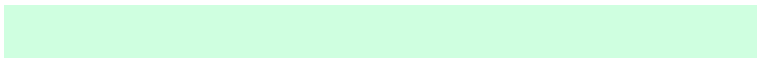


# Same Dimension

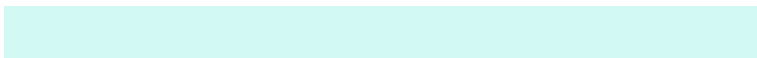
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8385, 0.3027, 0.3557



90.1022, 0.3006, 0.3620



87.9367, 0.2921, 0.3351



19.4125, 0.3066, 0.3446



36.6829, 0.2845, 0.5444



3.4169, 0.2779, 0.5204



# Inverse Universe

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



72.2018, 0.3243, 0.3037



71.8149, 0.3272, 0.2981



71.1542, 0.3381, 0.3230



17.4123, 0.3193, 0.3139



12.1551, 0.4381, 0.2187

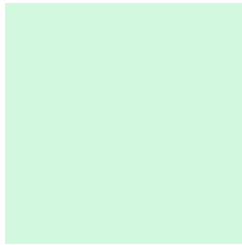


1.1460, 0.4203, 0.2089



# Previews

## White Background



This preview shows how the Yxy color 86.8348, 0.3027, 0.3557 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

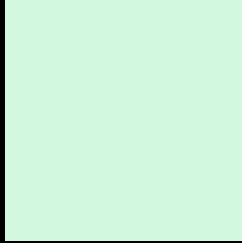
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.8348, 0.3027, 0.3557 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

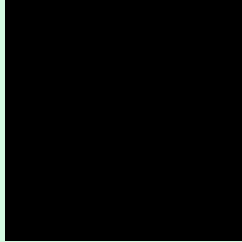
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

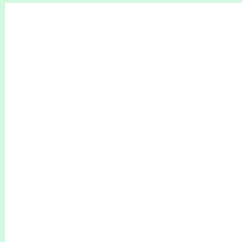
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.8348, 0.3027, 0.3557**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.8348, 0.3027, 0.3557.

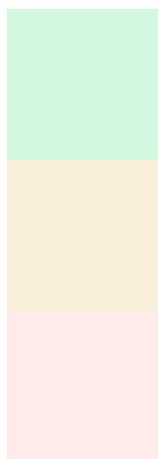


This preview shows how white text looks on a background with the Yxy color 86.8348, 0.3027, 0.3557.

# 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

86.8348, 0.3027, 0.3557

### Protanopia

86.1675, 0.3321, 0.3492

### Deuteranopia

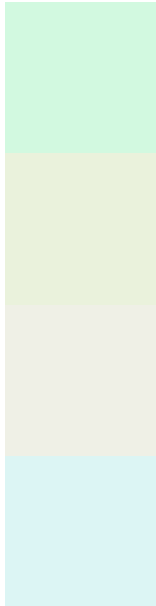
86.5599, 0.3276, 0.3310



## Tritanopia

86.7318, 0.2944, 0.3158

# Trichromacy



**Original Color**

86.8348, 0.3027, 0.3557

**Protanomaly**

86.1640, 0.3209, 0.3517

**Deuteranomaly**

86.3841, 0.3182, 0.3392

**Tritanomaly**

87.0521, 0.2976, 0.3300

# Monochromacy



**Original Color**

86.8348, 0.3027, 0.3557

**Achromatopsia**

82.2786, 0.3127, 0.3290

**Achromatomaly**

83.4537, 0.3090, 0.3384

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.8348, 0.3027, 0.3557 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, 249, 224)` looks like.

```
.text, #text, p{  
    color:rgb(210, 249, 224)  
}
```

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, 249, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 249, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 86.8348, 0.3027, 0.3557 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, 249, 224) }
```

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

```
.border{ border-color:rgb(210, 249, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 249, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 249, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 249, 224);  
box-shadow:4px 4px 4px 4px rgb(210, 249,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.8348, 0.3027, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 249, 224) }
```

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

```
.background{ background-color: rgb(210,  
249, 224) }
```

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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