

# Converting Colors

$Yxy(85.5641, 0.3069, 0.3587)$

Have a look what the booklet for  
Yxy(85.5641, 0.3069, 0.3587)  
contains.

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# Color

**Yxy(85.6331, 0.3069, 0.3590)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4F7DB
RGB	212, 247, 219
RGB Percent	83%, 97%, 86%
CMY	0.1685, 0.0314, 0.1411
CMYK	0.14, 0.00, 0.11, 0.03
HSL	132°, 69%, 90%
HSV	132°, 14%, 97%
XYZ	73.2056, 85.6331, 79.6936
YIQ	233.3430, -11.8720, -16.1280

# Conversions

## Conversions Part 2

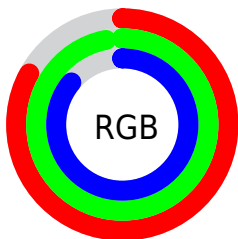
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 241, 247
Decimal	13957083
CIE Lab	94.16, -16.48, 9.68
CIE LCh	94, 19.117, 149.569
Yxy	85.6331, 0.3069, 0.3590
Android (android.graphics.Color)	4292147163 (0xFFD4F7DB)
YUV	233.3430, -7.0711, -18.7178
Hunter-Lab	92.5382, -20.7331, 13.7163

# Details

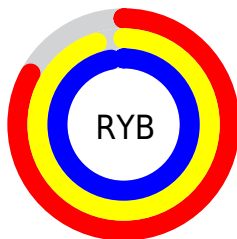
The Yxy color **85.6331, 0.3069, 0.3590** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.1689, 0.3191, 0.3007**, and the grayscale version is **81.8247, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1100, 0.3054, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **81.2614, 0.3028, 0.3835**, and if you desaturate by 10%, it is **90.6973, 0.3110, 0.3373**.

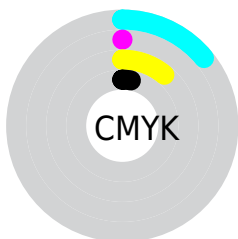
# Distribution



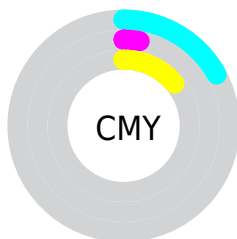
- Red (83%)
- Green (97%)
- Blue (86%)



- Red (83%)
- Yellow (95%)
- Blue (97%)



- Cyan (14%)
- Magenta (0%)
- Yellow (11%)
- Black (3%)




- Cyan (17%)
- Magenta (3%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6331, 0.3069, 0.3590 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 85.6331, 0.3069, 0.3590 by changing the saturation by 10% instead.



 85.6331, 0.3069,  
0.3590

 85.6331, 0.3069,  
0.3590


513.7206, 0.3097,  
0.3452

 64.3646, 0.3063,  
0.3621


141.2574, 0.3079,  
0.3542

 46.9461, 0.3054,  
0.3660

176.3820, 0.3082,  
0.3524

 32.9930, 0.3044,  
0.3709


216.8940, 0.3086,  
0.3508

 22.1211, 0.3030,  
0.3772

263.1780, 0.3088,  
0.3494

 13.9459, 0.3011,  
0.3858

315.6183, 0.3091,  
0.3481

 8.0831, 0.2983,  
0.3981

374.5992, 0.3093,

 4.1481, 0.2937,

0.3471

440.5052, 0.3095,  
0.3461

0.4172

1.7568, 0.2851,  
0.4505

0.4600, 0.0704,  
0.9296

85.6331, 0.3069,  
0.3590

85.6331, 0.3069,  
0.3590

81.2614, 0.3028,  
0.3835

90.6973, 0.3110,  
0.3373

77.5414, 0.2990,  
0.4105

95.0000, 0.3131,  
0.3214

74.4450, 0.2955,  
0.4396

71.9375, 0.2929,  
0.4700

■ 69.9807, 0.2912,  
0.5002

■ 68.5320, 0.2907,  
0.5287

■ 67.5423, 0.2916,  
0.5537

■ 66.9522, 0.2937,  
0.5735

■ 66.7443, 0.2951,  
0.5824

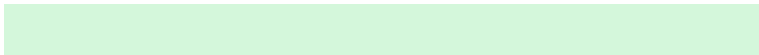
# Harmonies

## Analogous

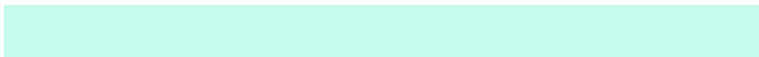
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6331, 0.3288, 0.3674



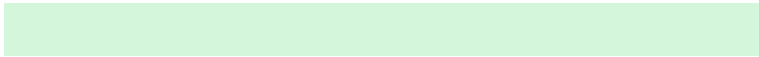
85.6331, 0.3069, 0.3590



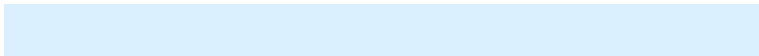
85.6331, 0.2871, 0.3417

# Triad

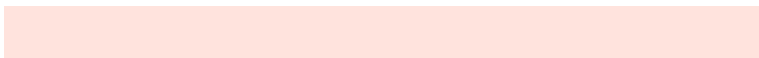
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6331, 0.3069, 0.3590



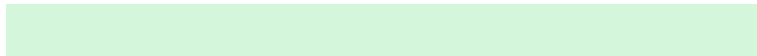
85.6331, 0.2792, 0.2940



85.6331, 0.3527, 0.3346

# Complementary

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



85.6331, 0.3069, 0.3590



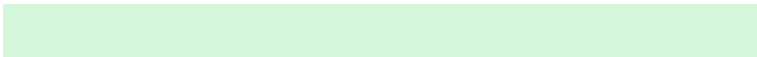
73.1689, 0.3191, 0.3007

# 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.



85.6331, 0.3385, 0.3163



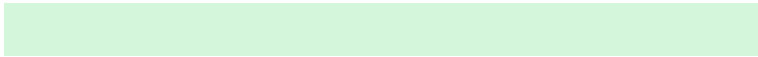
85.6331, 0.3069, 0.3590



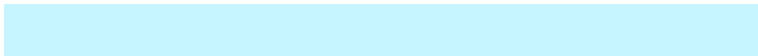
85.6331, 0.2958, 0.2934

# Square

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



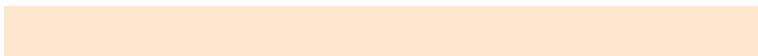
85.6331, 0.3069, 0.3590



85.6331, 0.2715, 0.3038



85.6331, 0.3174, 0.3015

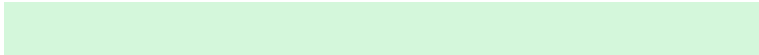


85.6331, 0.3557, 0.3522

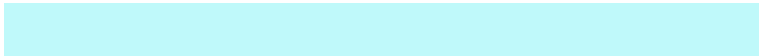


# Rectangle

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



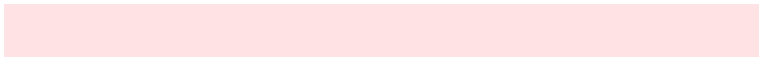
85.6331, 0.3069, 0.3590



85.6331, 0.2776, 0.3280



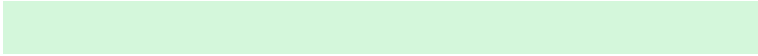
85.6331, 0.3174, 0.3015



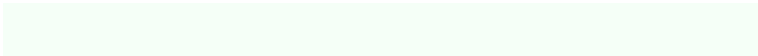
85.6331, 0.3490, 0.3284

# Sweetspot

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



85.6367, 0.3069, 0.3590



97.6018, 0.3111, 0.3369



89.9033, 0.3297, 0.3646



20.7972, 0.3108, 0.3385



0.0000, 0.0000, 0.0000

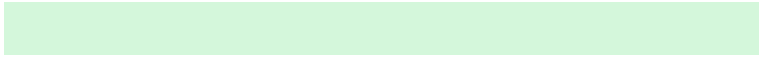


21.4041, 0.3127, 0.3290

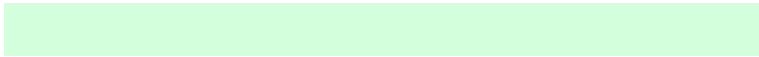


# Same Dimension

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



85.6367, 0.3069, 0.3590



90.6484, 0.3057, 0.3658



86.5735, 0.2973, 0.3406



18.5261, 0.3088, 0.3485



35.3156, 0.2945, 0.5801



3.1179, 0.2884, 0.5584



# Inverse Universe

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



73.1689, 0.3191, 0.3007



74.8474, 0.3206, 0.2948



72.2098, 0.3310, 0.3177



16.7083, 0.3169, 0.3103



12.6278, 0.3789, 0.1861

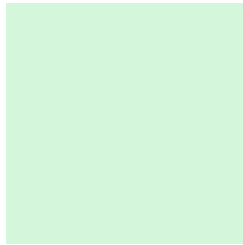


1.1239, 0.3702, 0.1813



# Previews

## White Background



This preview shows how the Yxy color 85.6331, 0.3069, 0.3590 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

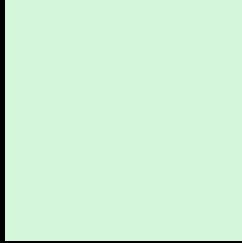
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.6331, 0.3069, 0.3590 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

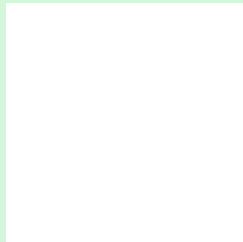
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.6331, 0.3069, 0.3590**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.6331, 0.3069, 0.3590.

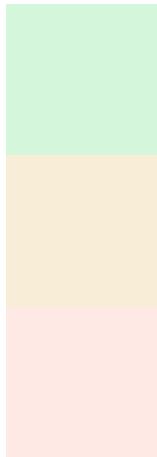


This preview shows how white text looks on a background with the Yxy color 85.6331, 0.3069, 0.3590.

# 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

85.6331, 0.3069, 0.3590

### Protanopia

85.3799, 0.3348, 0.3523

### Deuteranopia

85.1950, 0.3304, 0.3330



## Tritanopia

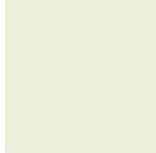
85.3875, 0.2937, 0.3137

# Trichromacy



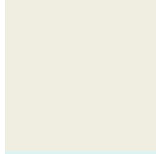
## Original Color

85.6331, 0.3069, 0.3590



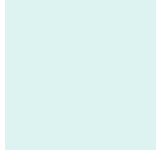
## Protanomaly

85.5306, 0.3241, 0.3549



## Deuteranomaly

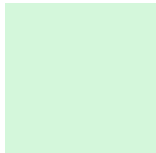
84.9360, 0.3215, 0.3423



## Tritanomaly

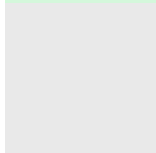
85.7276, 0.2987, 0.3300

# Monochromacy



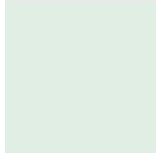
## Original Color

85.6331, 0.3069, 0.3590



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

82.7581, 0.3102, 0.3395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.6331, 0.3069, 0.3590 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(212, 247, 219)` looks like.

```
.text, #text, p{  
    color:rgb(212, 247, 219)  
}
```

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(212, 247, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 247, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 85.6331, 0.3069, 0.3590 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(212, 247, 219) }
```

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

```
.border{ border-color:rgb(212, 247, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 247, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 247, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 247, 219);  
box-shadow:4px 4px 4px 4px rgb(212, 247,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.6331, 0.3069, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 247, 219) }
```

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

```
.background{ background-color: rgb(212,  
247, 219) }
```

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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