

# Converting Colors

$Yxy(86.9952, 0.2950, 0.3375)$

Have a look what the booklet for  
Yxy(86.9952, 0.2950, 0.3375)  
contains.

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# Color

**Yxy(87.2157, 0.2949, 0.3384)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3F8EF
RGB	211, 248, 239
RGB Percent	83%, 97%, 94%
CMY	0.1727, 0.0274, 0.0626
CMYK	0.15, 0.00, 0.04, 0.03
HSL	165°, 73%, 90%
HSV	165°, 15%, 97%
XYZ	76.0045, 87.2157, 94.5094
YIQ	235.9110, -19.1630, -10.6430

# Conversions

## Conversions Part 2

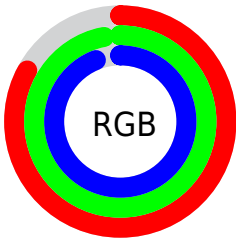
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 232, 248
Decimal	13891823
CIE Lab	94.83, -13.62, 0.30
CIE LCh	95, 13.626, 178.718
Yxy	87.2157, 0.2949, 0.3384
Android (android.graphics.Color)	4292081903 (0xFFD3F8EF)
YUV	235.9110, 1.5229, -21.8469
Hunter-Lab	93.3893, -18.1600, 5.3714

# Details

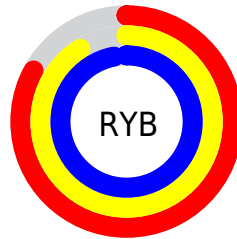
The Yxy color **87.2157, 0.2949, 0.3384** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.6897, 0.3342, 0.3198**, and the grayscale version is **83.8058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1861, 0.2911, 0.3412** is the 20% darker color. If you saturate the color by 10%, you get **83.4858, 0.2837, 0.3455**, and if you desaturate by 10%, it is **91.5298, 0.3067, 0.3320**.

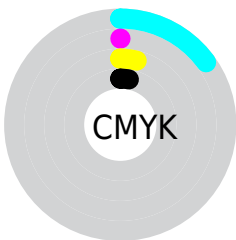
# Distribution



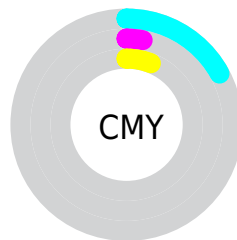
- Red (83%)
- Green (97%)
- Blue (94%)



- Red (83%)
- Yellow (91%)
- Blue (97%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)




- Cyan (17%)
- Magenta (3%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2157, 0.2949, 0.3384 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 87.2157, 0.2949, 0.3384 by changing the saturation by 10% instead.



 87.2157, 0.2949,  
0.3384

 87.2157, 0.2949,  
0.3384

518.9314, 0.3029,  
0.3342

 65.6737, 0.2931,  
0.3393

143.4648, 0.2976,  
0.3370

 48.0076, 0.2910,  
0.3405


178.9406, 0.2987,  
0.3364

 33.8329, 0.2883,  
0.3419


219.8299, 0.2996,  
0.3359

 22.7653, 0.2849,  
0.3437

266.5170, 0.3004,  
0.3355

 14.4203, 0.2803,  
0.3461

319.3863, 0.3012,  
0.3351

 8.4135, 0.2740,  
0.3495

378.8222, 0.3018,

 4.3607, 0.2646,

0.3348

445.2091, 0.3024,  
0.3345

0.3545

1.8773, 0.2492,  
0.3627

0.5347, 0.1382,  
0.4206

87.2157, 0.2949,  
0.3384

87.2157, 0.2949,  
0.3384

83.4858, 0.2837,  
0.3455

91.5298, 0.3067,  
0.3320

80.3031, 0.2735,  
0.3531

95.3720, 0.3154,  
0.3261

77.6435, 0.2646,  
0.3613

95.6234, 0.3130,  
0.3223

75.4765, 0.2572,  
0.3699

■ 73.7684, 0.2516,  
0.3788

■ 72.4813, 0.2480,  
0.3879

■ 71.5710, 0.2464,  
0.3971

■ 70.9833, 0.2467,  
0.4061

■ 70.7686, 0.2474,  
0.4107

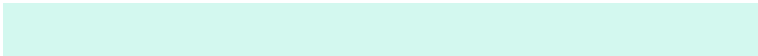
# Harmonies

## Analogous

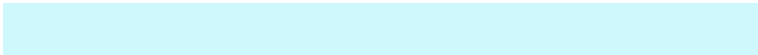
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2157, 0.3092, 0.3503



87.2157, 0.2949, 0.3384



87.2157, 0.2855, 0.3241

# Triad

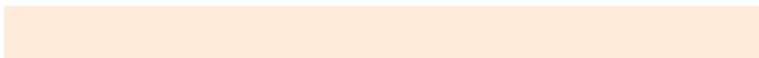
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2157, 0.2949, 0.3384



87.2157, 0.3004, 0.3034



87.2157, 0.3431, 0.3454

# Complementary

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



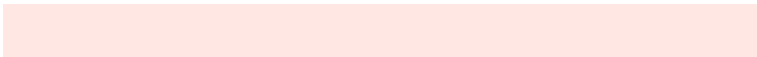
87.2157, 0.2949, 0.3384



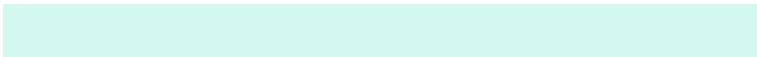
71.6897, 0.3342, 0.3198

# 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.



87.2157, 0.3407, 0.3329



87.2157, 0.2949, 0.3384



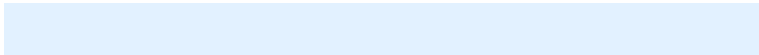
87.2157, 0.3157, 0.3090

# Square

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



87.2157, 0.2949, 0.3384



87.2157, 0.2886, 0.3042



87.2157, 0.3306, 0.3197

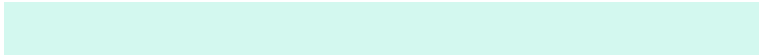


87.2157, 0.3372, 0.3541

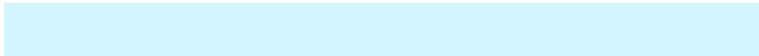


# Rectangle

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



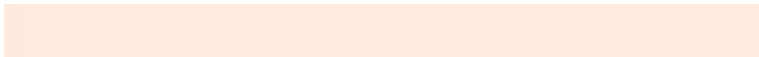
87.2157, 0.2949, 0.3384



87.2157, 0.2831, 0.3153



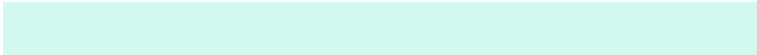
87.2157, 0.3306, 0.3197



87.2157, 0.3433, 0.3415

# Sweetspot

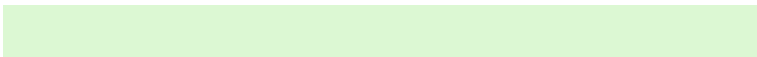
The Sweet Spot groups the original color and five complimentary colors.



87.2193, 0.2949, 0.3384



97.9582, 0.3078, 0.3314



87.0944, 0.3168, 0.3683



20.8874, 0.3069, 0.3318



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

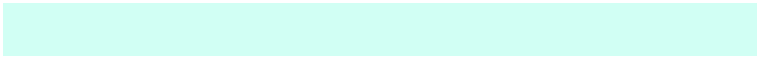


# Same Dimension

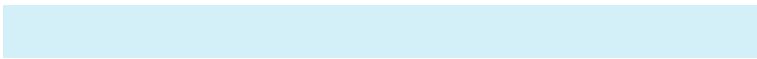
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2193, 0.2949, 0.3384



91.6136, 0.2914, 0.3405



82.2069, 0.2896, 0.3192



19.5324, 0.3013, 0.3348



38.2476, 0.2470, 0.4092



3.5590, 0.2440, 0.3984



# Inverse Universe

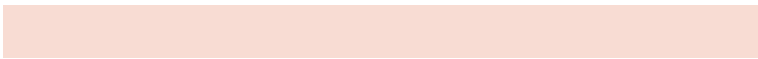
The Inverse Universe completely reimagines the original color for something new.



71.6897, 0.3342, 0.3198



72.0896, 0.3395, 0.3178



75.9620, 0.3393, 0.3386



17.2942, 0.3256, 0.3233



10.9759, 0.5957, 0.3055

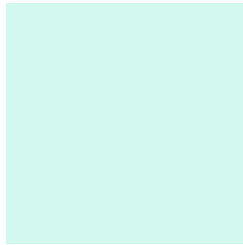


1.0325, 0.5627, 0.2874



# Previews

## White Background



This preview shows how the Yxy color 87.2157, 0.2949, 0.3384 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

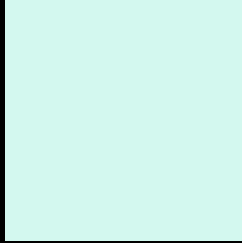
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.2157, 0.2949, 0.3384 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

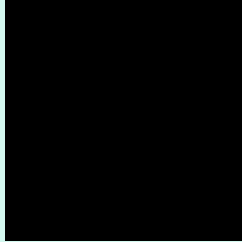
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

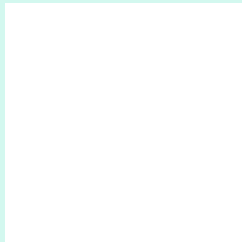
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.2157, 0.2949, 0.3384**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.2157, 0.2949, 0.3384.

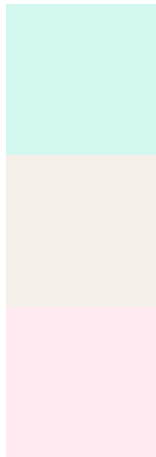


This preview shows how white text looks on a background with the Yxy color 87.2157, 0.2949, 0.3384.

# 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

87.2157, 0.2949, 0.3384

### Protanopia

87.0860, 0.3198, 0.3340

### Deuteranopia

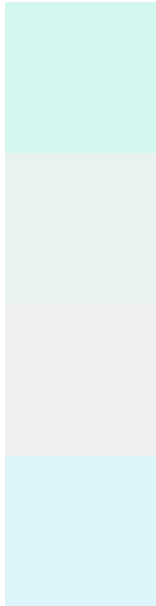
86.4565, 0.3225, 0.3222



## Tritanopia

87.3287, 0.2944, 0.3168

# Trichromacy



## Original Color

87.2157, 0.2949, 0.3384

## Protanomaly

86.8840, 0.3105, 0.3351

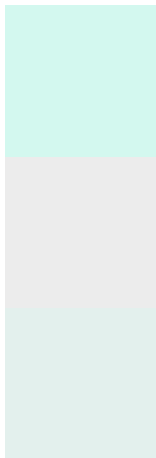
## Deuteranomaly

86.3750, 0.3121, 0.3280

## Tritanomaly

87.3600, 0.2947, 0.3248

# Monochromacy



## Original Color

87.2157, 0.2949, 0.3384

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.7655, 0.3061, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.2157, 0.2949, 0.3384 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, 248, 239)` looks like.

```
.text, #text, p{  
    color:rgb(211, 248, 239)  
}
```

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, 248, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 248, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 87.2157, 0.2949, 0.3384 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, 248, 239) }
```

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

```
.border{ border-color:rgb(211, 248, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 248, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 248, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 248, 239);  
box-shadow:4px 4px 4px 4px rgb(211, 248,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.2157, 0.2949, 0.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 248, 239) }
```

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

```
.background{ background-color: rgb(211,  
248, 239) }
```

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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