

# Converting Colors

$Yxy(84.8751, 0.2984, 0.3309)$

Have a look what the booklet for  
Yxy(84.8751, 0.2984, 0.3309)  
contains.

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# Color

**Yxy(84.7010, 0.2986, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAF2F0
RGB	218, 242, 240
RGB Percent	85%, 95%, 94%
CMY	0.1451, 0.0509, 0.0590
CMYK	0.10, 0.00, 0.01, 0.05
HSL	175°, 48%, 90%
HSV	175°, 10%, 95%
XYZ	76.3869, 84.7010, 94.7290
YIQ	234.5960, -13.6620, -5.7100

# Conversions

## Conversions Part 2

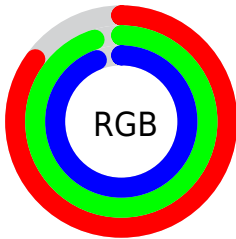
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	218, 231, 242
Decimal	14349040
CIE <sub>Lab</sub>	93.75, -8.21, -1.70
CIE <sub>LCh</sub>	94, 8.383, 191.682
Y <sub>xy</sub>	84.7010, 0.2986, 0.3311
Android (android.graphics.Color)	4292539120 (0xFFDAF2F0)
YUV	234.5960, 2.6642, -14.5547
Hunter-Lab	92.0331, -12.9041, 3.3965

# Details

The Yxy color **84.7010, 0.2986, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.1883, 0.3288, 0.3269**, and the grayscale version is **82.7416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3650, 0.2955, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **81.1199, 0.2851, 0.3334**, and if you desaturate by 10%, it is **88.8354, 0.3128, 0.3290**.

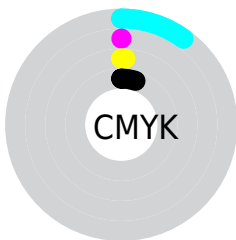
# Distribution



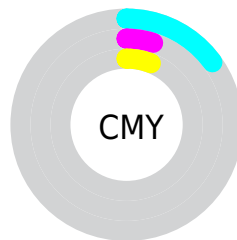
- Red (85%)
- Green (95%)
- Blue (94%)



- Red (85%)
- Yellow (91%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (1%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7010, 0.2986, 0.3311 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 84.7010, 0.2986, 0.3311 by changing the saturation by 10% instead.



84.7010, 0.2986,  
0.3311

84.7010, 0.2986,  
0.3311

510.6382, 0.3049,  
0.3302

63.5944, 0.2972,  
0.3313

139.9554, 0.3008,  
0.3308

46.3222, 0.2955,  
0.3315

174.8718, 0.3016,  
0.3307

32.5002, 0.2933,  
0.3318

215.1604, 0.3024,  
0.3306

21.7438, 0.2906,  
0.3322

261.2055, 0.3030,  
0.3305

13.6688, 0.2869,  
0.3327

313.3914, 0.3036,  
0.3304

7.8907, 0.2818,  
0.3333

372.1025, 0.3041,

4.0251, 0.2742,

0.3303

437.7233, 0.3045,  
0.3303

0.3342

1.6876, 0.2615,  
0.3356

0.4156, 0.1647,  
0.3518

84.7010, 0.2986,  
0.3311

84.7010, 0.2986,  
0.3311

81.1199, 0.2851,  
0.3334

88.8354, 0.3128,  
0.3290

78.0579, 0.2727,  
0.3359

91.3086, 0.3200,  
0.3270

75.4932, 0.2616,  
0.3386

91.4349, 0.3187,  
0.3250


73.3986, 0.2520,  
0.3414


91.5627, 0.3174,  
0.3230

 71.7442, 0.2443,  
0.3442


 91.6918, 0.3162,  
0.3210

 70.4964, 0.2385,  
0.3472


 91.8224, 0.3149,  
0.3191

 69.6172, 0.2347,  
0.3501

 91.9544, 0.3136,  
0.3171

 69.0610, 0.2327,  
0.3530

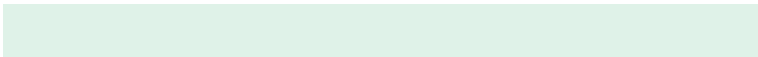
 91.9912, 0.3133,  
0.3166

 68.7521, 0.2322,  
0.3559

# Harmonies

## Analogous

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



84.7010, 0.3065, 0.3393



84.7010, 0.2986, 0.3311



84.7010, 0.2945, 0.3225

# Triad

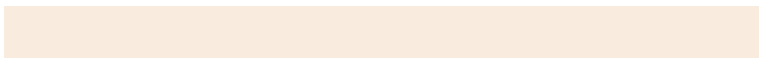
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7010, 0.2986, 0.3311



84.7010, 0.3091, 0.3140



84.7010, 0.3306, 0.3420

# Complementary

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



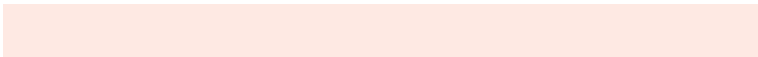
84.7010, 0.2986, 0.3311



74.1883, 0.3288, 0.3269

# 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.



84.7010, 0.3313, 0.3351



84.7010, 0.2986, 0.3311



84.7010, 0.3188, 0.3191

# Square

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



84.7010, 0.2986, 0.3311



84.7010, 0.3005, 0.3127



84.7010, 0.3270, 0.3267

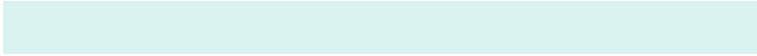


84.7010, 0.3250, 0.3456



# Rectangle

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



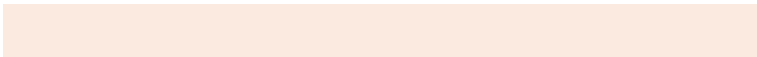
84.7010, 0.2986, 0.3311



84.7010, 0.2944, 0.3177



84.7010, 0.3270, 0.3267



84.7010, 0.3314, 0.3400

# Sweetspot

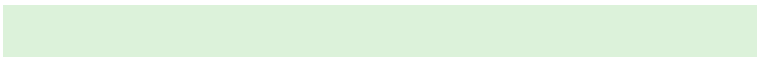
The Sweet Spot groups the original color and five complimentary colors.



84.7046, 0.2986, 0.3311



98.5358, 0.3084, 0.3296



83.8502, 0.3131, 0.3545



21.0090, 0.3072, 0.3298



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

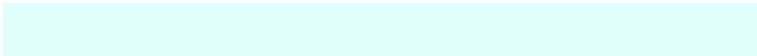


# Same Dimension

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



84.7046, 0.2986, 0.3311



94.4841, 0.2957, 0.3316



79.2570, 0.2973, 0.3188



17.9043, 0.2992, 0.3310



36.9392, 0.2321, 0.3554



3.0798, 0.2310, 0.3516



# Inverse Universe

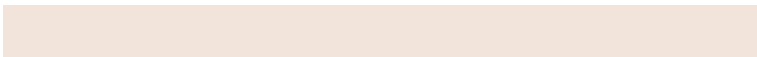
The Inverse Universe completely reimagines the original color for something new.



74.1883, 0.3288, 0.3269



80.3334, 0.3327, 0.3265



79.2082, 0.3291, 0.3390



15.7807, 0.3280, 0.3270



10.1775, 0.6306, 0.3247

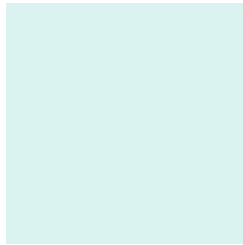


0.8541, 0.6087, 0.3127



# Previews

## White Background



This preview shows how the Yxy color 84.7010, 0.2986, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

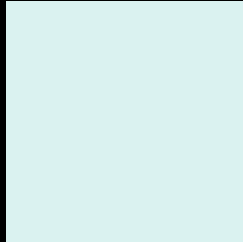
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.7010, 0.2986, 0.3311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

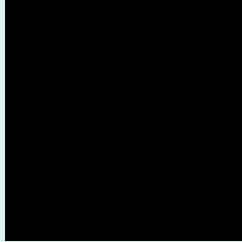
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

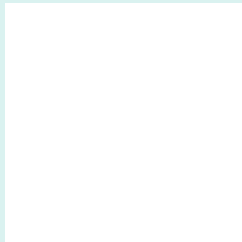
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.7010, 0.2986, 0.3311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.7010, 0.2986, 0.3311.

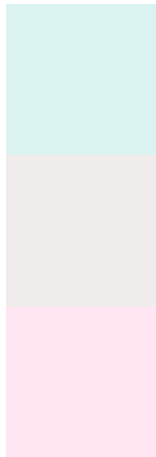


This preview shows how white text looks on a background with the Yxy color 84.7010, 0.2986, 0.3311.

# 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

84.7010, 0.2986, 0.3311

### Protanopia

84.7478, 0.3161, 0.3290

### Deuteranopia

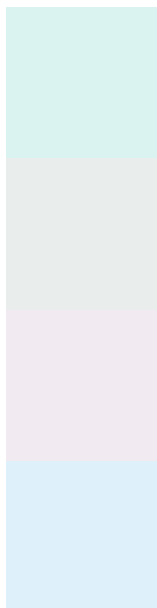
84.2644, 0.3222, 0.3173



## **Tritanopia**

84.8003, 0.2937, 0.3126

# Trichromacy



## Original Color

84.7010, 0.2986, 0.3311

## Protanomaly

84.5871, 0.3100, 0.3300

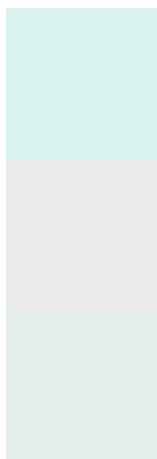
## Deuteranomaly

84.0738, 0.3137, 0.3220

## Tritanomaly

84.7519, 0.2953, 0.3187

# Monochromacy



## Original Color

84.7010, 0.2986, 0.3311

## Achromatopsia

83.0770, 0.3127, 0.3290

## Achromatomaly

83.9215, 0.3074, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.7010, 0.2986, 0.3311 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(218, 242, 240)` looks like.

```
.text, #text, p{  
    color:rgb(218, 242, 240)  
}
```

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(218, 242, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 242, 240) }
```

## Border

The CSS property to change the border of an element to Yxy 84.7010, 0.2986, 0.3311 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(218, 242, 240) }
```

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

```
.border{ border-color:rgb(218, 242, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 242, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 242, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 242, 240);  
box-shadow:4px 4px 4px 4px rgb(218, 242,  
240) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.7010, 0.2986, 0.3311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 242, 240) }
```

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

```
.background{ background-color: rgb(218,  
242, 240) }
```

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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