

# Converting Colors

$Yxy(84.2393, 0.2988, 0.3314)$

Have a look what the booklet for  
Yxy(84.2393, 0.2988, 0.3314)  
contains.

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# Color

**Yxy(84.0480, 0.2992, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAF1EF
RGB	218, 241, 239
RGB Percent	85%, 95%, 94%
CMY	0.1450, 0.0549, 0.0629
CMYK	0.10, 0.00, 0.01, 0.05
HSL	175°, 45%, 90%
HSV	175°, 10%, 95%
XYZ	75.9504, 84.0480, 93.8464
YIQ	233.8950, -13.0660, -5.4980

# Conversions

## Conversions Part 2

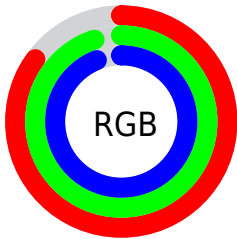
Format	Color
R <sub>Y</sub> B	218, 230, 241
Decimal	14348783
CIE Lab	93.47, -7.88, -1.59
CIE LCh	93, 8.037, 191.411
Yxy	84.0480, 0.2992, 0.3311
Android (android.graphics.Color)	4292538863 (0xFFDAF1EF)
YUV	233.8950, 2.5168, -13.9399
Hunter-Lab	91.6777, -12.5577, 3.4818

# Details

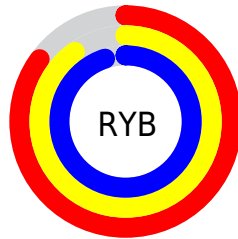
The Yxy color **84.0480, 0.2992, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.0326, 0.3280, 0.3269**, and the grayscale version is **82.1880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9034, 0.2962, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **80.4754, 0.2857, 0.3335**, and if you desaturate by 10%, it is **88.1694, 0.3134, 0.3289**.

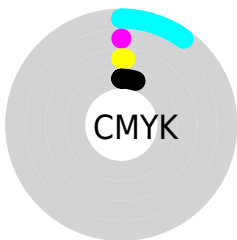
# Distribution



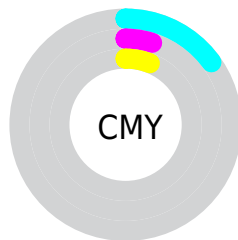
- Red (85%)
- Green (95%)
- Blue (94%)



- Red (85%)
- Yellow (90%)
- 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 84.0480, 0.2992, 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 84.0480, 0.2992, 0.3311 by changing the saturation by 10% instead.



84.0480, 0.2992,  
0.3311

84.0480, 0.2992,  
0.3311

508.4726, 0.3053,  
0.3302

63.0551, 0.2978,  
0.3313

139.0423, 0.3013,  
0.3308

45.8858, 0.2962,  
0.3315

173.8125, 0.3021,  
0.3307

32.1557, 0.2941,  
0.3318

213.9439, 0.3028,  
0.3306

21.4804, 0.2915,  
0.3322

259.8208, 0.3034,  
0.3305

13.4756, 0.2879,  
0.3327

311.8278, 0.3040,  
0.3304

7.7569, 0.2830,  
0.3334

370.3492, 0.3045,

3.9398, 0.2756,

0.3303

435.7693, 0.3049,  
0.3302

0.3343

■ 1.6399, 0.2633,  
0.3357

■ 0.3843, 0.1591,  
0.3536

■ 84.0480, 0.2992,  
0.3311

■ 84.0480, 0.2992,  
0.3311

■ 80.4754, 0.2857,  
0.3335

■ 88.1694, 0.3134,  
0.3289

■ 77.4178, 0.2733,  
0.3361

■ 90.6576, 0.3205,  
0.3268

■ 74.8539, 0.2621,  
0.3389


■ 90.7882, 0.3192,  
0.3248


■ 72.7566, 0.2526,  
0.3418


■ 90.9203, 0.3179,  
0.3227

 71.0964, 0.2448,  
0.3448


 91.0539, 0.3166,  
0.3206


 69.8405, 0.2389,  
0.3478

 91.1891, 0.3153,  
0.3186

 68.9512, 0.2351,  
0.3509

 91.3258, 0.3140,  
0.3165

 68.3839, 0.2330,  
0.3540

 91.3915, 0.3133,  
0.3156

 68.0674, 0.2325,  
0.3570

# Harmonies

## Analogous

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



84.0480, 0.3068, 0.3390



84.0480, 0.2992, 0.3311



84.0480, 0.2952, 0.3228

# Triad

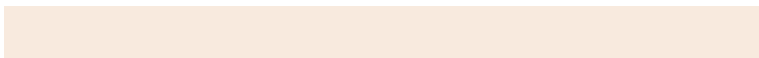
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0480, 0.2992, 0.3311



84.0480, 0.3092, 0.3145



84.0480, 0.3299, 0.3415

# Complementary

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



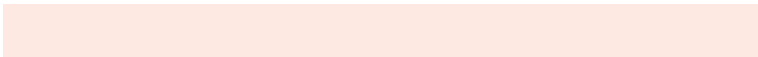
84.0480, 0.2992, 0.3311



74.0326, 0.3280, 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.



84.0480, 0.3306, 0.3348



84.0480, 0.2992, 0.3311



84.0480, 0.3185, 0.3194

# Square

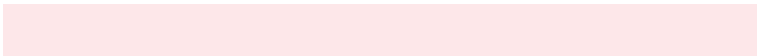
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.0480, 0.2992, 0.3311



84.0480, 0.3009, 0.3134



84.0480, 0.3264, 0.3268

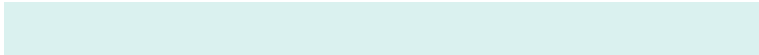


84.0480, 0.3246, 0.3449

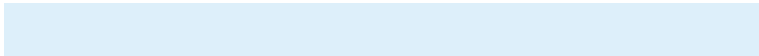


# Rectangle

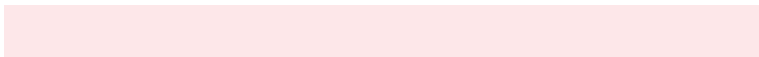
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



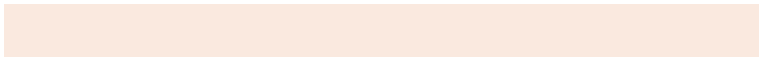
84.0480, 0.2992, 0.3311



84.0480, 0.2951, 0.3182



84.0480, 0.3264, 0.3268



84.0480, 0.3307, 0.3395

# Sweetspot

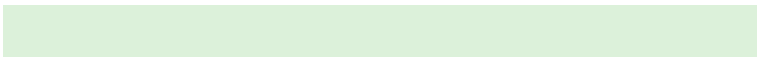
The Sweet Spot groups the original color and five complimentary colors.



84.0515, 0.2992, 0.3311



98.5341, 0.3084, 0.3296



83.2424, 0.3131, 0.3535



21.0086, 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.



84.0515, 0.2992, 0.3311



94.9030, 0.2971, 0.3315



78.8702, 0.2979, 0.3193



17.9033, 0.2993, 0.3311



36.9145, 0.2324, 0.3566



3.0780, 0.2313, 0.3526

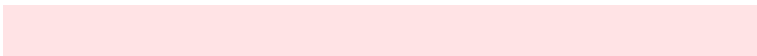


# Inverse Universe

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



74.0326, 0.3280, 0.3269



81.8530, 0.3308, 0.3266



78.8237, 0.3284, 0.3386



15.7817, 0.3279, 0.3269



10.1795, 0.6301, 0.3245

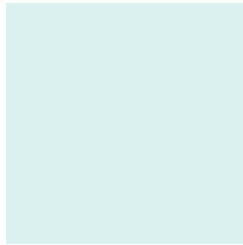


0.8546, 0.6074, 0.3120



# Previews

## White Background



This preview shows how the Yxy color 84.0480, 0.2992, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

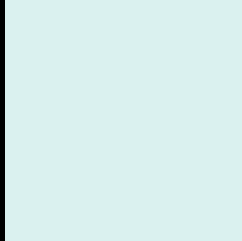
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.0480, 0.2992, 0.3311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

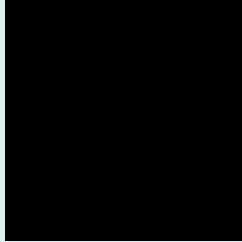
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

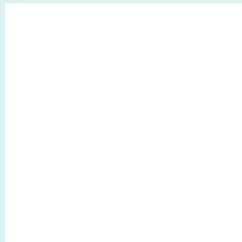
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.0480, 0.2992, 0.3311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.0480, 0.2992, 0.3311.



This preview shows how white text looks on a background with the Yxy color 84.0480, 0.2992, 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

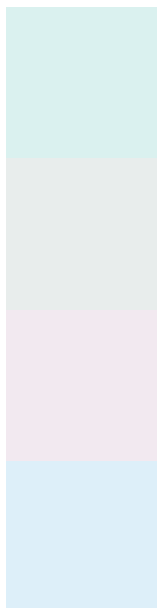




## Tritanopia

84.0570, 0.2930, 0.3116

# Trichromacy



## Original Color

84.0480, 0.2992, 0.3311

## Protanomaly

83.7803, 0.3100, 0.3300

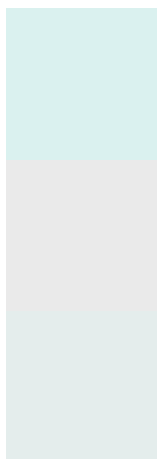
## Deuteranomaly

83.4463, 0.3144, 0.3220

## Tritanomaly

83.9447, 0.2952, 0.3186

# Monochromacy



## Original Color

84.0480, 0.2992, 0.3311

## Achromatopsia

82.2786, 0.3127, 0.3290

## Achromatomaly

83.1185, 0.3074, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.0480, 0.2992, 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, 241, 239)` looks like.

```
.text, #text, p{  
    color:rgb(218, 241, 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(218, 241, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 241, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 84.0480, 0.2992, 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, 241, 239) }
```

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

```
.border{ border-color:rgb(218, 241, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 241, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 241, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 241, 239);  
box-shadow:4px 4px 4px 4px rgb(218, 241,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.0480, 0.2992, 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, 241, 239) }
```

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

```
.background{ background-color: rgb(218,  
241, 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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