

# Converting Colors

$Y_{xy}(82.1998, 0.2949, 0.3300)$

Have a look what the booklet for  
Yxy(82.1998, 0.2949, 0.3300)  
contains.

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# Color

**Yxy(82.4011, 0.2948, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3F0EF
RGB	211, 240, 239
RGB Percent	83%, 94%, 94%
CMY	0.1724, 0.0588, 0.0627
CMYK	0.12, 0.00, 0.00, 0.06
HSL	178°, 49%, 88%
HSV	178°, 12%, 94%
XYZ	73.6116, 82.4011, 93.6876
YIQ	231.2150, -16.9630, -6.4590

# Conversions

## Conversions Part 2

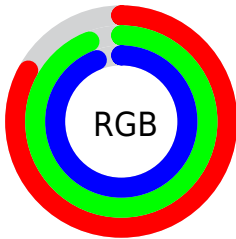
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 226, 240
Decimal	13889775
CIE Lab	92.75, -9.59, -2.72
CIE LCh	93, 9.967, 195.858
Yxy	82.4011, 0.2948, 0.3300
Android (android.graphics.Color)	4292079855 (0xFFD3F0EF)
YUV	231.2150, 3.8380, -17.7286
Hunter-Lab	90.7751, -14.1064, 2.3502

# Details

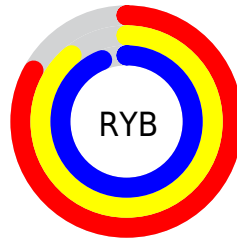
The Yxy color **82.4011, 0.2948, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.8866, 0.3338, 0.3280**, and the grayscale version is **80.0663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7678, 0.2907, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **79.0711, 0.2809, 0.3309**, and if you desaturate by 10%, it is **86.2674, 0.3096, 0.3292**.

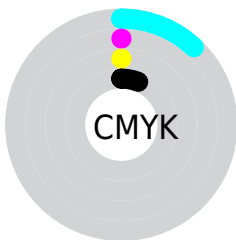
# Distribution



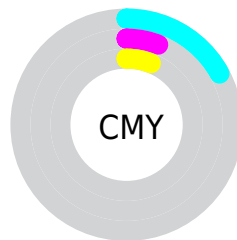
- Red (83%)
- Green (94%)
- Blue (94%)



- Red (83%)
- Yellow (89%)
- Blue (94%)



- Cyan (12%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.4011, 0.2948, 0.3300 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 82.4011, 0.2948, 0.3300 by changing the saturation by 10% instead.



82.4011, 0.2948,  
0.3300

82.4011, 0.2948,  
0.3300

502.9884, 0.3029,  
0.3296

61.6962, 0.2930,  
0.3301

136.7363, 0.2976,  
0.3299

44.7873, 0.2908,  
0.3302

171.1355, 0.2987,  
0.3298

31.2899, 0.2881,  
0.3303

210.8681, 0.2996,  
0.3298

20.8197, 0.2845,  
0.3304

256.3187, 0.3004,  
0.3297

12.9923, 0.2798,  
0.3305

307.8717, 0.3011,  
0.3297

7.4232, 0.2732,  
0.3306

365.9113, 0.3018,

3.7282, 0.2633,

0.3297

0.3307

430.8221, 0.3024,  
0.3296

■ 1.5227, 0.2468,  
0.3306

■ 0.3046, 0.0629,  
0.3453

■ 82.4011, 0.2948,  
0.3300

■ 82.4011, 0.2948,  
0.3300

■ 79.0711, 0.2809,  
0.3309

■ 86.2674, 0.3096,  
0.3292

■ 76.2438, 0.2682,  
0.3319

■ 89.9080, 0.3222,  
0.3284

■ 73.8974, 0.2570,  
0.3329

■ 89.9572, 0.3217,  
0.3276

■ 72.0047, 0.2474,  
0.3340

■ 90.0066, 0.3212,  
0.3268

70.5357, 0.2397,  
0.3352

90.0563, 0.3207,  
0.3260

69.4568, 0.2340,  
0.3363

90.1062, 0.3202,  
0.3252

68.7294, 0.2302,  
0.3374

90.1563, 0.3197,  
0.3244

68.3068, 0.2282,  
0.3385

90.2066, 0.3192,  
0.3236

68.1308, 0.2276,  
0.3394

90.2572, 0.3187,  
0.3228

# Harmonies

## Analogous

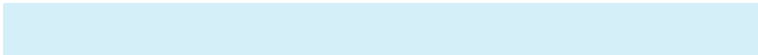
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4011, 0.3037, 0.3402



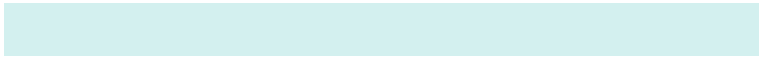
82.4011, 0.2948, 0.3300



82.4011, 0.2906, 0.3198

# Triad

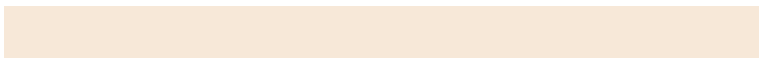
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.4011, 0.2948, 0.3300



82.4011, 0.3100, 0.3116



82.4011, 0.3335, 0.3455

# Complementary

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



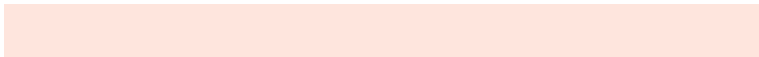
82.4011, 0.2948, 0.3300



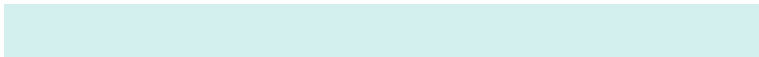
69.8866, 0.3338, 0.3280

# 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.



82.4011, 0.3353, 0.3376



82.4011, 0.2948, 0.3300



82.4011, 0.3216, 0.3182

# Square

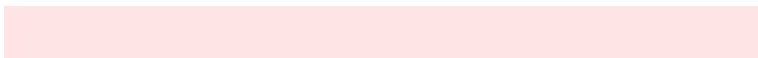
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4011, 0.2948, 0.3300



82.4011, 0.2993, 0.3094



82.4011, 0.3309, 0.3276



82.4011, 0.3261, 0.3491

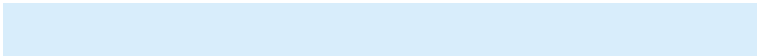


# Rectangle

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



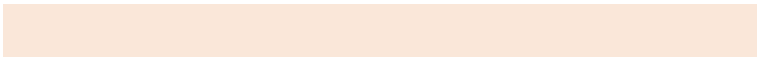
82.4011, 0.2948, 0.3300



82.4011, 0.2911, 0.3144



82.4011, 0.3309, 0.3276



82.4011, 0.3348, 0.3432

# Sweetspot

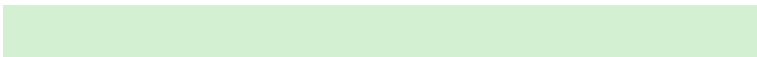
The Sweet Spot groups the original color and five complimentary colors.



82.4045, 0.2948, 0.3300



98.0940, 0.3066, 0.3293



81.0923, 0.3122, 0.3606



20.9219, 0.3055, 0.3294



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.



82.4045, 0.2948, 0.3300



93.7680, 0.2920, 0.3302



75.0643, 0.2939, 0.3149



17.9191, 0.2986, 0.3298



37.3014, 0.2276, 0.3392



3.1060, 0.2272, 0.3378



# Inverse Universe

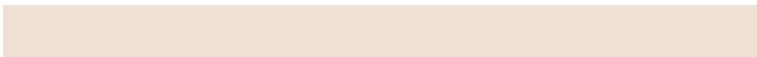
The Inverse Universe completely reimagines the original color for something new.



69.8866, 0.3338, 0.3280



77.2749, 0.3379, 0.3278



76.5779, 0.3328, 0.3427



15.7676, 0.3288, 0.3282



10.1548, 0.6364, 0.3280

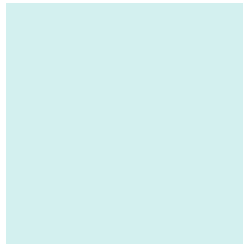


0.8479, 0.6270, 0.3227



# Previews

## White Background



This preview shows how the Yxy color 82.4011, 0.2948, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

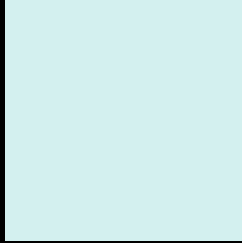
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.4011, 0.2948, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

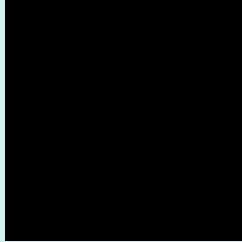
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

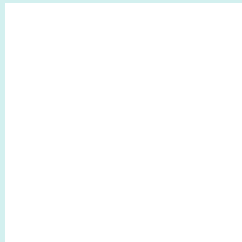
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.4011, 0.2948, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.4011, 0.2948, 0.3300.

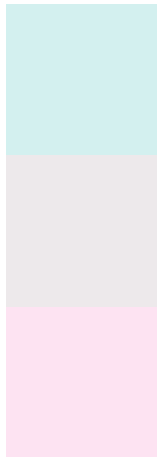


This preview shows how white text looks on a background with the Yxy color 82.4011, 0.2948, 0.3300.

# 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

82.4011, 0.2948, 0.3300

### Protanopia

82.2805, 0.3142, 0.3270

### Deuteranopia

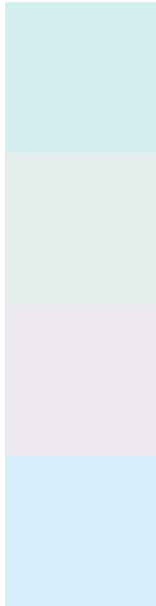
82.2316, 0.3210, 0.3142



## Tritanopia

82.2354, 0.2881, 0.3103

# Trichromacy



## Original Color

82.4011, 0.2948, 0.3300

## Protanomaly

82.5410, 0.3074, 0.3290

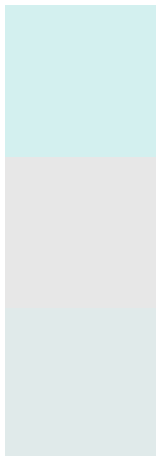
## Deuteranomaly

82.2412, 0.3111, 0.3199

## Tritanomaly

82.2848, 0.2909, 0.3174

# Monochromacy



## Original Color

82.4011, 0.2948, 0.3300

## Achromatopsia

79.9103, 0.3127, 0.3290

## Achromatomaly

80.6334, 0.3061, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.4011, 0.2948, 0.3300 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, 240, 239)` looks like.

```
.text, #text, p{  
    color:rgb(211, 240, 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, 240, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 240, 239) }
```

## Border

The CSS property to change the border of an element to Yxy 82.4011, 0.2948, 0.3300 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, 240, 239) }
```

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

```
.border{ border-color:rgb(211, 240, 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, 240, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 240, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 240, 239);  
box-shadow:4px 4px 4px 4px rgb(211, 240,  
239) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.4011, 0.2948, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 240, 239) }
```

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

```
.background{ background-color: rgb(211,  
240, 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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