

# Converting Colors

Yxy(84.4488, 0.2917, 0.3284)

Have a look what the booklet for  
Yxy(84.4488, 0.2917, 0.3284)  
contains.

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# Color

**Yxy(84.3345, 0.2914, 0.3279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F3F4
RGB	210, 243, 244
RGB Percent	82%, 95%, 96%
CMY	0.1767, 0.0470, 0.0431
CMYK	0.14, 0.00, 0.00, 0.04
HSL	182°, 61%, 89%
HSV	182°, 14%, 96%
XYZ	74.9469, 84.3345, 97.9144
YIQ	233.2470, -19.9890, -6.6850

# Conversions

## Conversions Part 2

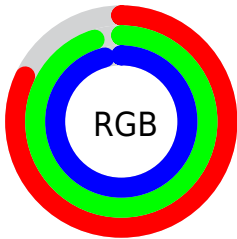
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 227, 244
Decimal	13825012
CIE Lab	93.60, -10.47, -4.09
CIE LCh	94, 11.236, 201.332
Yxy	84.3345, 0.2914, 0.3279
Android (android.graphics.Color)	4292015092 (0xFFD2F3F4)
YUV	233.2470, 5.3012, -20.3876
Hunter-Lab	91.8338, -15.0329, 1.0679

# Details

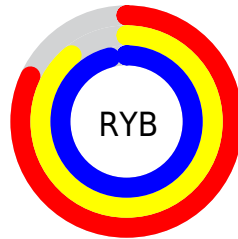
The Yxy color **84.3345, 0.2914, 0.3279** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.4384, 0.3384, 0.3301**, and the grayscale version is **81.6476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1401, 0.2866, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **80.6063, 0.2772, 0.3270**, and if you desaturate by 10%, it is **88.6173, 0.3065, 0.3287**.

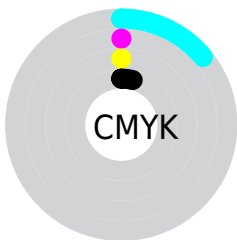
# Distribution



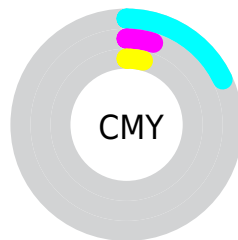
- Red (82%)
- Green (95%)
- Blue (96%)



- Red (82%)
- Yellow (89%)
- Blue (96%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (4%)



- Cyan (18%)
- Magenta (5%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3345, 0.2914, 0.3279 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 84.3345, 0.2914, 0.3279 by changing the saturation by 10% instead.



84.3345, 0.2914,  
0.3279

84.3345, 0.2914,  
0.3279

509.4234, 0.3010,  
0.3285

63.2916, 0.2893,  
0.3278

139.4430, 0.2947,  
0.3281

46.0772, 0.2867,  
0.3276

174.2774, 0.2959,  
0.3282

32.3067, 0.2835,  
0.3273

214.4778, 0.2971,  
0.3283

21.5959, 0.2794,  
0.3270

260.4286, 0.2980,  
0.3283

13.5603, 0.2739,  
0.3265

312.5142, 0.2989,  
0.3284

7.8155, 0.2663,  
0.3257

371.1189, 0.2997,

3.9771, 0.2550,

0.3284

0.3244

436.6271, 0.3003,  
0.3285

■ 1.6608, 0.2366,  
0.3218

■ 0.3981, 0.0991,  
0.3210

■ 84.3345, 0.2914,  
0.3279

■ 84.3345, 0.2914,  
0.3279

■ 80.6063, 0.2772,  
0.3270

■ 88.6173, 0.3065,  
0.3287

■ 77.3975, 0.2642,  
0.3261

■ 92.7490, 0.3198,  
0.3294

■ 74.6850, 0.2527,  
0.3252

■ 93.1741, 0.3198,  
0.3301

■ 72.4401, 0.2429,  
0.3242

■ 93.6009, 0.3197,  
0.3308

70.6307, 0.2351,  
0.3232

94.0292, 0.3197,  
0.3315

69.2212, 0.2292,  
0.3223

94.4592, 0.3196,  
0.3321

68.1699, 0.2252,  
0.3213

94.8907, 0.3196,  
0.3328

67.4261, 0.2229,  
0.3204

95.3240, 0.3195,  
0.3335

67.0801, 0.2222,  
0.3198

95.7588, 0.3195,  
0.3342

# Harmonies

## Analogous

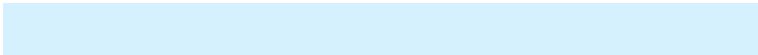
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3345, 0.3005, 0.3396



84.3345, 0.2914, 0.3279



84.3345, 0.2879, 0.3168

# Triad

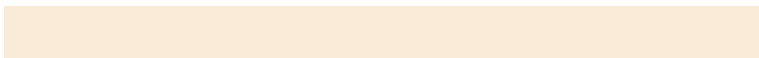
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3345, 0.2914, 0.3279



84.3345, 0.3120, 0.3106



84.3345, 0.3349, 0.3486

# Complementary

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



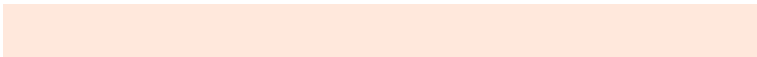
84.3345, 0.2914, 0.3279



70.4384, 0.3384, 0.3301

# 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.



84.3345, 0.3382, 0.3404



84.3345, 0.2914, 0.3279



84.3345, 0.3248, 0.3187

# Square

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



84.3345, 0.2914, 0.3279



84.3345, 0.2996, 0.3072



84.3345, 0.3345, 0.3295



84.3345, 0.3256, 0.3516

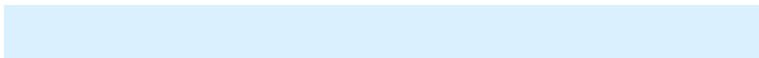


# Rectangle

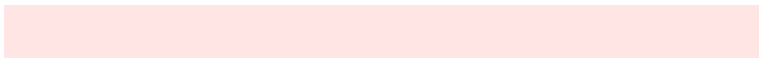
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.3345, 0.2914, 0.3279



84.3345, 0.2892, 0.3113



84.3345, 0.3345, 0.3295



84.3345, 0.3368, 0.3463

# Sweetspot

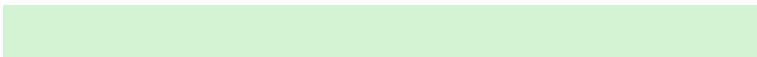
The Sweet Spot groups the original color and five complimentary colors.



84.3380, 0.2914, 0.3279



97.9291, 0.3065, 0.3287



83.0745, 0.3106, 0.3655



20.8799, 0.3053, 0.3286



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.



84.3380, 0.2914, 0.3279



91.8903, 0.2869, 0.3276



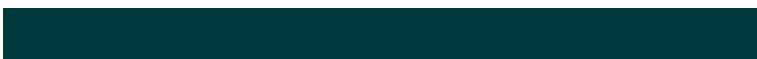
74.8406, 0.2908, 0.3101



18.6710, 0.2981, 0.3283



36.5114, 0.2222, 0.3199



3.2344, 0.2225, 0.3211



# Inverse Universe

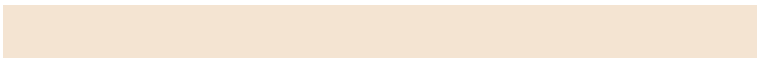
The Inverse Universe completely reimagines the original color for something new.



71.7738, 0.3150, 0.2955



75.3119, 0.3155, 0.2879



79.1191, 0.3360, 0.3472



16.7596, 0.3142, 0.3063



13.7852, 0.3282, 0.1582

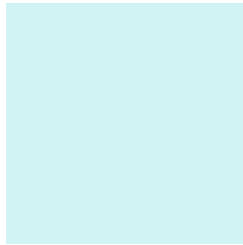


1.2141, 0.3273, 0.1576



# Previews

## White Background



This preview shows how the Yxy color 84.3345, 0.2914, 0.3279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

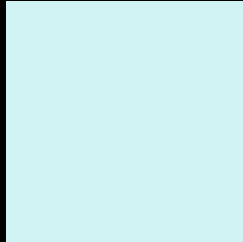
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.3345, 0.2914, 0.3279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

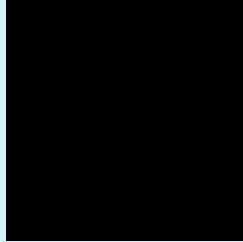
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 84.3345, 0.2914, 0.3279**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.3345, 0.2914, 0.3279.

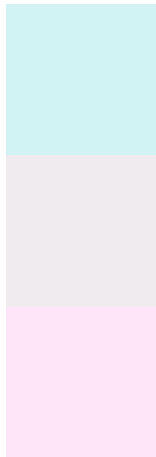


This preview shows how white text looks on a background with the Yxy color 84.3345, 0.2914, 0.3279.

# 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

84.3345, 0.2914, 0.3279

### Protanopia

83.9994, 0.3129, 0.3250

### Deuteranopia

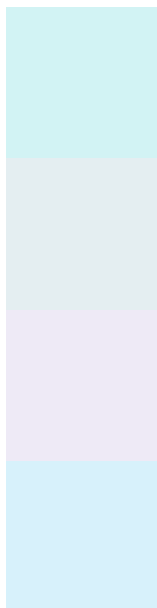
83.8249, 0.3183, 0.3114



## Tritanopia

84.4456, 0.2900, 0.3135

# Trichromacy



## Original Color

84.3345, 0.2914, 0.3279

## Protanomaly

83.9939, 0.3044, 0.3259

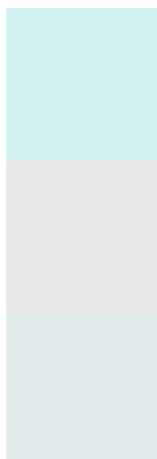
## Deuteranomaly

83.6766, 0.3080, 0.3169

## Tritanomaly

84.3227, 0.2905, 0.3186

# Monochromacy



## Original Color

84.3345, 0.2914, 0.3279

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

82.6903, 0.3048, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.3345, 0.2914, 0.3279 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(210, 243, 244)` looks like.

```
.text, #text, p{  
    color:rgb(210, 243, 244)  
}
```

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(210, 243, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 243, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 84.3345, 0.2914, 0.3279 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(210, 243, 244) }
```

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

```
.border{ border-color:rgb(210, 243, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 243, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 243, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 243, 244);  
box-shadow:4px 4px 4px 4px rgb(210, 243,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.3345, 0.2914, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 243, 244) }
```

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

```
.background{ background-color: rgb(210,  
243, 244) }
```

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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