

# Converting Colors

$Yxy(85.6454, 0.2928, 0.3333)$

Have a look what the booklet for  
Yxy(85.6454, 0.2928, 0.3333)  
contains.

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# Color

**Yxy(85.9640, 0.2932, 0.3342)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2F6F1
RGB	210, 246, 241
RGB Percent	82%, 96%, 95%
CMY	0.1764, 0.0353, 0.0549
CMYK	0.15, 0.00, 0.02, 0.04
HSL	172°, 67%, 89%
HSV	172°, 15%, 96%
XYZ	75.4178, 85.9640, 95.8414
YIQ	234.6660, -19.8510, -9.1870

# Conversions

## Conversions Part 2

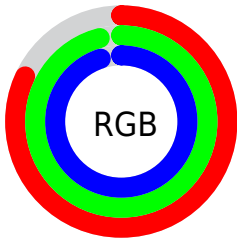
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	210, 229, 246
Decimal	13825777
CIE <sub>Lab</sub>	94.30, -12.52, -1.51
CIE <sub>LCh</sub>	94, 12.614, 186.856
Y <sub>xy</sub>	85.9640, 0.2932, 0.3342
Android (android.graphics.Color)	4292015857 (0xFFD2F6F1)
Y <sub>UV</sub>	234.6660, 3.1227, -21.6321
Hunter-Lab	92.7168, -17.0586, 3.6136

# Details

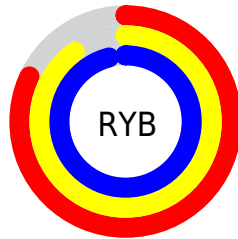
The Yxy color **85.9640, 0.2932, 0.3342** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.6078, 0.3364, 0.3239**, and the grayscale version is **82.8039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.2983, 0.2888, 0.3358** is the 20% darker color. If you saturate the color by 10%, you get **82.4273, 0.2808, 0.3382**, and if you desaturate by 10%, it is **90.0667, 0.3064, 0.3306**.

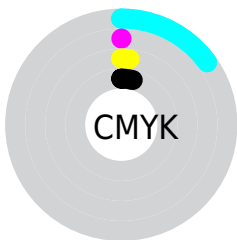
# Distribution



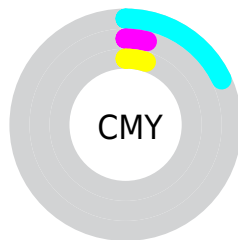
- Red (82%)
- Green (96%)
- Blue (95%)



- Red (82%)
- Yellow (90%)
- Blue (96%)



- Cyan (15%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9640, 0.2932, 0.3342 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 85.9640, 0.2932, 0.3342 by changing the saturation by 10% instead.




 85.9640, 0.2932,  
0.3342

 85.9640, 0.2932,  
0.3342


514.8125, 0.3019,  
0.3319

 64.6382, 0.2913,  
0.3347


141.7192, 0.2962,  
0.3334

 47.1678, 0.2889,  
0.3353

176.9175, 0.2974,  
0.3331

 33.1683, 0.2860,  
0.3361


217.5087, 0.2984,  
0.3329

 22.2554, 0.2822,  
0.3370

263.8772, 0.2993,  
0.3326

 14.0447, 0.2772,  
0.3382

316.4074, 0.3001,  
0.3324

 8.1518, 0.2703,  
0.3399


375.4838, 0.3008,

 4.1922, 0.2600,


0.3322


0.3424

441.4907, 0.3014,  
0.3321

 1.7817, 0.2432,  
0.3462

 0.4757, 0.1176,  
0.3820

 85.9640, 0.2932,  
0.3342


 85.9640, 0.2932,  
0.3342


 82.4273, 0.2808,  
0.3382


 90.0667, 0.3064,  
0.3306

 79.4206, 0.2695,  
0.3424

 93.9372, 0.3174,  
0.3272

 76.9202, 0.2595,  
0.3470

 94.1508, 0.3154,  
0.3240

 74.8965, 0.2512,  
0.3517

 94.3683, 0.3133,  
0.3207

■ 73.3166, 0.2448,  
0.3565

■ 94.3902, 0.3131,  
0.3204

■ 72.1437, 0.2403,  
0.3615

■ 71.3349, 0.2378,  
0.3664

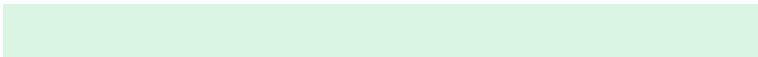
■ 70.8374, 0.2371,  
0.3713

■ 70.6570, 0.2372,  
0.3739

# Harmonies

## Analogous

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



85.9640, 0.3056, 0.3462



85.9640, 0.2932, 0.3342



85.9640, 0.2861, 0.3210

# Triad

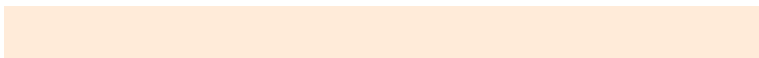
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.9640, 0.2932, 0.3342



85.9640, 0.3049, 0.3060



85.9640, 0.3402, 0.3470

# Complementary

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



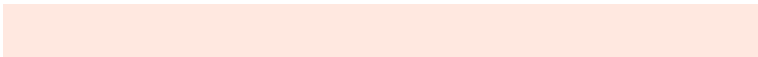
85.9640, 0.2932, 0.3342



70.6078, 0.3364, 0.3239

# 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.



85.9640, 0.3401, 0.3360



85.9640, 0.2932, 0.3342



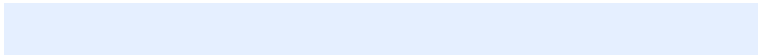
85.9640, 0.3195, 0.3127

# Square

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



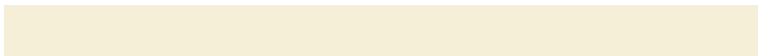
85.9640, 0.2932, 0.3342



85.9640, 0.2927, 0.3051



85.9640, 0.3325, 0.3235

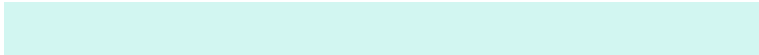


85.9640, 0.3328, 0.3535

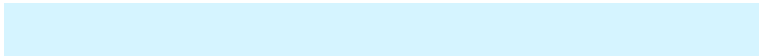


# Rectangle

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



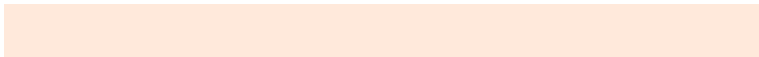
85.9640, 0.2932, 0.3342



85.9640, 0.2852, 0.3135



85.9640, 0.3325, 0.3235



85.9640, 0.3411, 0.3437

# Sweetspot

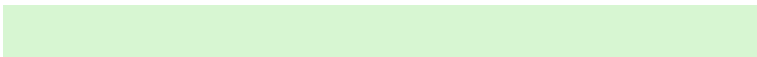
The Sweet Spot groups the original color and five complimentary colors.



85.9676, 0.2932, 0.3342



98.0257, 0.3072, 0.3304



85.0764, 0.3144, 0.3677



20.9045, 0.3062, 0.3306



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

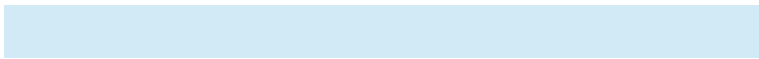
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9676, 0.2932, 0.3342



91.9065, 0.2889, 0.3355



78.8695, 0.2900, 0.3156



18.7159, 0.2999, 0.3323



37.7304, 0.2370, 0.3731



3.3268, 0.2353, 0.3670



# Inverse Universe

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



70.6078, 0.3364, 0.3239



71.8404, 0.3431, 0.3226



76.8189, 0.3381, 0.3421



16.5200, 0.3272, 0.3257



10.5317, 0.6218, 0.3199

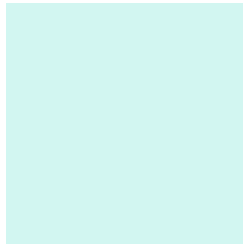


0.9370, 0.5928, 0.3039



# Previews

## White Background



This preview shows how the Yxy color 85.9640, 0.2932, 0.3342 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

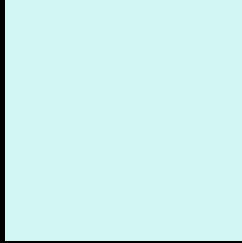
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.9640, 0.2932, 0.3342 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

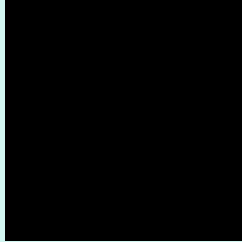
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

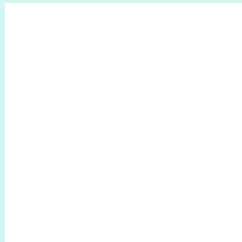
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.9640, 0.2932, 0.3342**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9640, 0.2932, 0.3342.

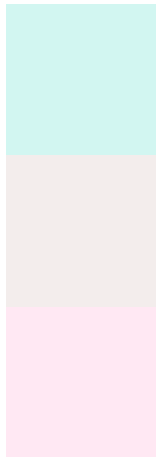


This preview shows how white text looks on a background with the Yxy color 85.9640, 0.2932, 0.3342.

# 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

85.9640, 0.2932, 0.3342

### Protanopia

85.6792, 0.3173, 0.3300

### Deuteranopia

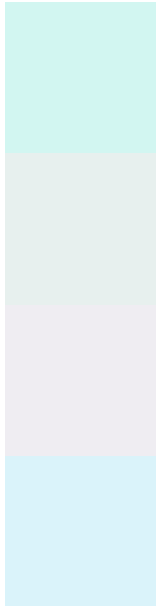
85.4443, 0.3214, 0.3183



## Tritanopia

85.6602, 0.2925, 0.3147

# Trichromacy



**Original Color**

85.9640, 0.2932, 0.3342

**Protanomaly**

85.4821, 0.3081, 0.3310

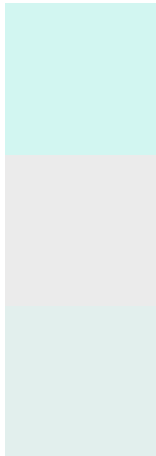
**Deuteranomaly**

85.3299, 0.3110, 0.3240

**Tritanomaly**

85.9087, 0.2929, 0.3217

# Monochromacy



**Original Color**

85.9640, 0.2932, 0.3342

**Achromatopsia**

83.0770, 0.3127, 0.3290

**Achromatomaly**

84.0162, 0.3054, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9640, 0.2932, 0.3342 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, 246, 241)` looks like.

```
.text, #text, p{  
    color:rgb(210, 246, 241)  
}
```

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, 246, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 246, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9640, 0.2932, 0.3342 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, 246, 241) }
```

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

```
.border{ border-color:rgb(210, 246, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 246, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 246, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 246, 241);  
box-shadow:4px 4px 4px 4px rgb(210, 246,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9640, 0.2932, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 246, 241) }
```

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

```
.background{ background-color: rgb(210,  
246, 241) }
```

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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