

# Converting Colors

$Yxy(84.8408, 0.2740, 0.3311)$

Have a look what the booklet for  
Yxy(84.8408, 0.2740, 0.3311)  
contains.

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# Color

**Yxy(85.0936, 0.2740, 0.3311)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6FAF8
RGB	182, 250, 248
RGB Percent	71%, 98%, 97%
CMY	0.2862, 0.0196, 0.0276
CMYK	0.27, 0.00, 0.01, 0.02
HSL	178°, 87%, 85%
HSV	178°, 27%, 98%
XYZ	70.4187, 85.0936, 101.4904
YIQ	229.4400, -39.8860, -15.0380

# Conversions

## Conversions Part 2

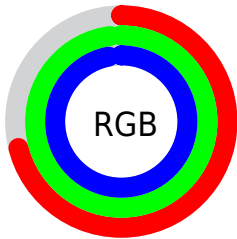
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 217, 250
Decimal	11991800
CIELab	93.92, -21.38, -5.84
CIELCh	94, 22.160, 195.291
Yxy	85.0936, 0.2740, 0.3311
Android (android.graphics.Color)	4290181880 (0xFFB6FAF8)
YUV	229.4400, 9.1501, -41.6049
Hunter-Lab	92.2462, -25.1678, -0.6592

# Details

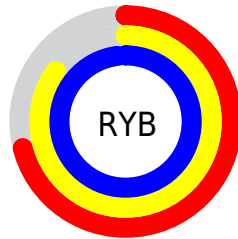
The Yxy color **85.0936, 0.2740, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.2524, 0.3702, 0.3270**, and the grayscale version is **78.6522, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **46.4577, 0.2654, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **82.2731, 0.2620, 0.3320**, and if you desaturate by 10%, it is **88.4645, 0.2874, 0.3303**.

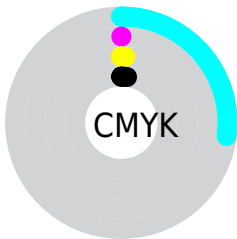
# Distribution



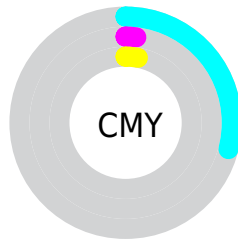
- Red (71%)
- Green (98%)
- Blue (97%)



- Red (71%)
- Yellow (85%)
- Blue (98%)



- Cyan (27%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)




- Cyan (29%)
- Magenta (2%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.0936, 0.2740, 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 85.0936, 0.2740, 0.3311 by changing the saturation by 10% instead.



 85.0936, 0.2740,  
0.3311

 85.0936, 0.2740,  
0.3311


511.9377, 0.2912,  
0.3304

 63.9187, 0.2702,  
0.3312


 140.5039, 0.2799,  
0.3309

 46.5848, 0.2656,  
0.3313

175.5082, 0.2822,  
0.3308

 32.7076, 0.2599,  
0.3314


215.8910, 0.2842,  
0.3307

 21.9025, 0.2526,  
0.3314

262.0368, 0.2859,  
0.3307

 13.7853, 0.2431,  
0.3314

314.3300, 0.2875,  
0.3306

 7.9715, 0.2299,  
0.3311

373.1550, 0.2889,

 4.0767, 0.2108,

0.3305

438.8961, 0.2901,  
0.3305

0.3302

1.7166, 0.1807,  
0.3274

0.4343, 0.0000,  
0.3301

85.0936, 0.2740,  
0.3311

85.0936, 0.2740,  
0.3311

82.2731, 0.2620,  
0.3320

88.4645, 0.2874,  
0.3303

79.9638, 0.2515,  
0.3329


92.4023, 0.3018,  
0.3295

78.1376, 0.2429,  
0.3339


96.5500, 0.3158,  
0.3288


76.7594, 0.2362,  
0.3349


96.5972, 0.3153,  
0.3281

 75.7894, 0.2315,  
0.3359


 96.6446, 0.3149,  
0.3274

 75.1808, 0.2286,  
0.3368

 96.6922, 0.3144,  
0.3267

 74.8734, 0.2274,  
0.3378

 96.7400, 0.3140,  
0.3259

 74.8154, 0.2273,  
0.3381

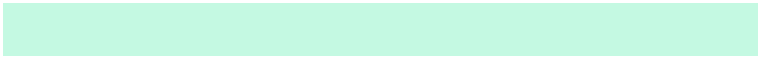
 96.7879, 0.3135,  
0.3252

 96.8361, 0.3131,  
0.3245

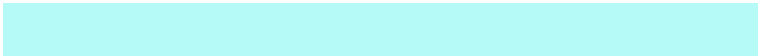
# Harmonies

## Analogous

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



85.0936, 0.2931, 0.3544



85.0936, 0.2740, 0.3311



85.0936, 0.2651, 0.3083

# Triad

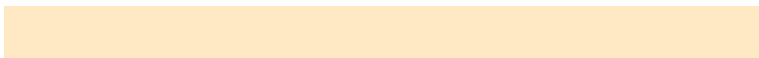
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.0936, 0.2740, 0.3311



85.0936, 0.3058, 0.2917



85.0936, 0.3588, 0.3644

# Complementary

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



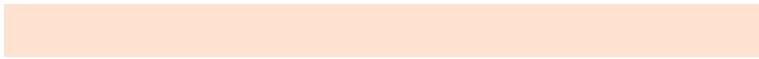
85.0936, 0.2740, 0.3311



57.2524, 0.3702, 0.3270

# 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.



85.0936, 0.3628, 0.3464



85.0936, 0.2740, 0.3311



85.0936, 0.3315, 0.3054

# Square

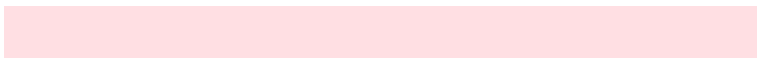
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.0936, 0.2740, 0.3311



85.0936, 0.2828, 0.2868



85.0936, 0.3527, 0.3251

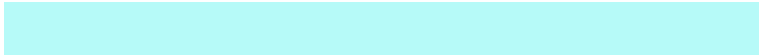


85.0936, 0.3422, 0.3737

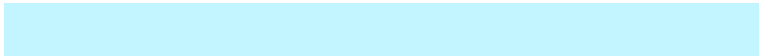


# Rectangle

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



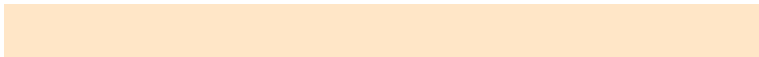
85.0936, 0.2740, 0.3311



85.0936, 0.2658, 0.2968



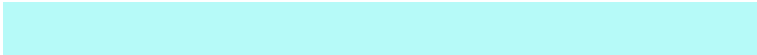
85.0936, 0.3527, 0.3251



85.0936, 0.3617, 0.3591

# Sweetspot

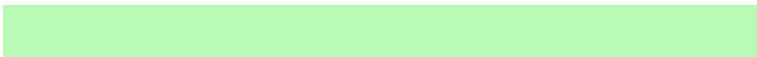
The Sweet Spot groups the original color and five complimentary colors.



85.0970, 0.2740, 0.3311



96.2948, 0.3006, 0.3296



81.9783, 0.3104, 0.4074



20.4715, 0.2984, 0.3297



0.0000, 0.0000, 0.0000

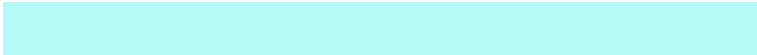


21.4041, 0.3127, 0.3290

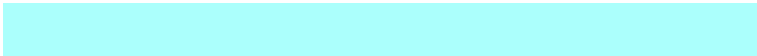


# Same Dimension

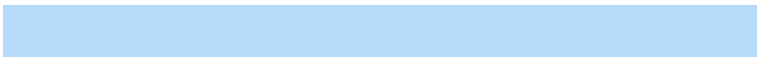
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.0970, 0.2740, 0.3311



87.2195, 0.2668, 0.3316



67.1375, 0.2694, 0.2932



19.5991, 0.2984, 0.3297



39.6867, 0.2272, 0.3379



3.6784, 0.2269, 0.3367



# Inverse Universe

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



57.2524, 0.3702, 0.3270



53.3609, 0.3877, 0.3266



71.6681, 0.3632, 0.3623



17.2336, 0.3289, 0.3283



10.7929, 0.6370, 0.3283

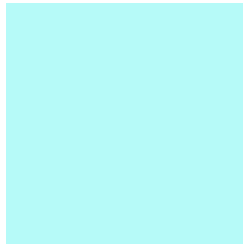


1.0025, 0.6294, 0.3241



# Previews

## White Background



This preview shows how the Yxy color 85.0936, 0.2740, 0.3311 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

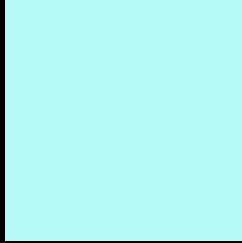
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.0936, 0.2740, 0.3311 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

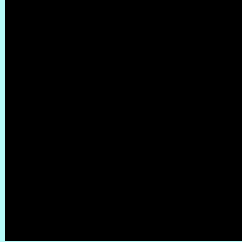
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.0936, 0.2740, 0.3311**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.0936, 0.2740, 0.3311.

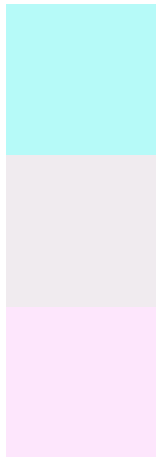


This preview shows how white text looks on a background with the Yxy color 85.0936, 0.2740, 0.3311.

# 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

85.0936, 0.2740, 0.3311

### Protanopia

84.1739, 0.3136, 0.3250

### Deuteranopia

84.5046, 0.3144, 0.3076



## Tritanopia

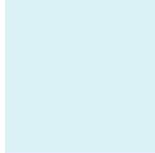
84.8765, 0.2848, 0.3164

# Trichromacy



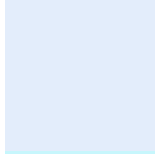
## Original Color

85.0936, 0.2740, 0.3311



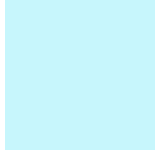
## Protanomaly

83.7911, 0.2980, 0.3269



## Deuteranomaly

83.8643, 0.2978, 0.3147



## Tritanomaly

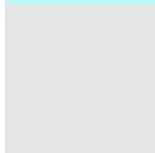
85.0819, 0.2808, 0.3226

# Monochromacy



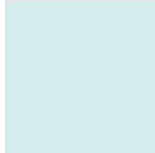
## Original Color

85.0936, 0.2740, 0.3311



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

80.6216, 0.2971, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.0936, 0.2740, 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(182, 250, 248)` looks like.

```
.text, #text, p{  
    color:rgb(182, 250, 248)  
}
```

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(182, 250, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 250, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 85.0936, 0.2740, 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(182, 250, 248) }
```

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

```
.border{ border-color:rgb(182, 250, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 250, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 250, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 250, 248);  
box-shadow:4px 4px 4px 4px rgb(182, 250,  
248) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.0936, 0.2740, 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(182, 250, 248) }
```

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

```
.background{ background-color: rgb(182,  
250, 248) }
```

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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