

# Converting Colors

$Yxy(83.5846, 0.2784, 0.3278)$

Have a look what the booklet for  
Yxy(83.5846, 0.2784, 0.3278)  
contains.

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# Color

**Yxy(83.5741, 0.2784, 0.3278)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEF6F7
RGB	190, 246, 247
RGB Percent	75%, 96%, 97%
CMY	0.2549, 0.0353, 0.0313
CMYK	0.23, 0.00, 0.00, 0.03
HSL	181°, 78%, 86%
HSV	181°, 23%, 97%
XYZ	70.9793, 83.5741, 100.4011
YIQ	229.3700, -33.6970, -11.5610

# Conversions

## Conversions Part 2

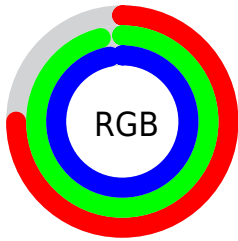
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 218, 247
Decimal	12515063
CIE <sub>Lab</sub>	93.27, -17.34, -6.28
CIE <sub>LCh</sub>	93, 18.443, 199.900
Y <sub>xy</sub>	83.5741, 0.2784, 0.3278
Android (android.graphics.Color)	4290705143 (0xFFBEF6F7)
YUV	229.3700, 8.6916, -34.5275
Hunter-Lab	91.4189, -21.3922, -1.1222

# Details

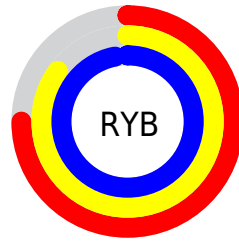
The Yxy color **83.5741, 0.2784, 0.3278** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.7586, 0.3603, 0.3302**, and the grayscale version is **78.5958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **45.7394, 0.2707, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **80.3949, 0.2654, 0.3272**, and if you desaturate by 10%, it is **87.2998, 0.2927, 0.3283**.

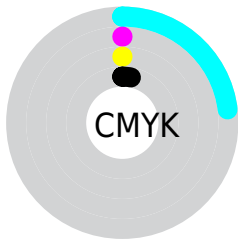
# Distribution



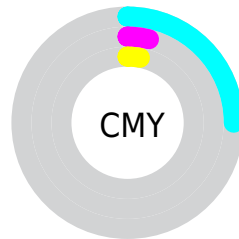
- Red (75%)
- Green (96%)
- Blue (97%)



- Red (75%)
- Yellow (85%)
- Blue (97%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)




- Cyan (25%)
- Magenta (4%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.5741, 0.2784, 0.3278 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 83.5741, 0.2784, 0.3278 by changing the saturation by 10% instead.




 83.5741, 0.2784,  
0.3278

 83.5741, 0.2784,  
0.3278


506.8979, 0.2937,  
0.3286

 62.6639, 0.2750,  
0.3276


 138.3792, 0.2836,  
0.3281

 45.5693, 0.2709,  
0.3273


173.0430, 0.2857,  
0.3282

 31.9061, 0.2658,  
0.3269


213.0599, 0.2875,  
0.3283

 21.2898, 0.2592,  
0.3264

258.8146, 0.2890,  
0.3284

 13.3360, 0.2506,  
0.3255

310.6913, 0.2904,  
0.3284

 7.6603, 0.2386,  
0.3242

369.0745, 0.2916,

 3.8784, 0.2211,

0.3285

434.3486, 0.2927,  
0.3285

0.3218

1.6058, 0.1931,  
0.3167

0.3615, 0.0000,  
0.3028

83.5741, 0.2784,  
0.3278

83.5741, 0.2784,  
0.3278

80.3949, 0.2654,  
0.3272

87.2998, 0.2927,  
0.3283

77.7247, 0.2538,  
0.3266

91.5869, 0.3079,  
0.3289

75.5375, 0.2440,  
0.3260

94.6965, 0.3178,  
0.3293

73.8008, 0.2361,  
0.3254

94.9661, 0.3178,  
0.3297

 72.4779, 0.2302,  
0.3248

 95.2363, 0.3178,  
0.3302

 71.5266, 0.2262,  
0.3242


 95.5071, 0.3177,  
0.3306

 70.8957, 0.2239,  
0.3236

 95.7785, 0.3177,  
0.3310

 70.5942, 0.2231,  
0.3232

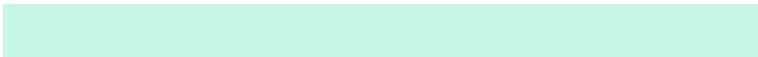
 96.0506, 0.3177,  
0.3314

 96.3233, 0.3176,  
0.3318

# Harmonies

## Analogous

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



83.5741, 0.2935, 0.3474



83.5741, 0.2784, 0.3278



83.5741, 0.2723, 0.3094

# Triad

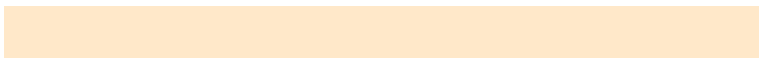
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.5741, 0.2784, 0.3278



83.5741, 0.3103, 0.2988



83.5741, 0.3498, 0.3605

# Complementary

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



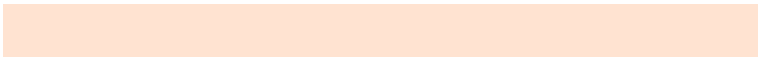
83.5741, 0.2784, 0.3278



60.7586, 0.3603, 0.3302

# 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.



83.5741, 0.3549, 0.3465



83.5741, 0.2784, 0.3278



83.5741, 0.3316, 0.3115

# Square

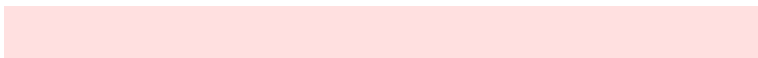
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.5741, 0.2784, 0.3278



83.5741, 0.2903, 0.2935



83.5741, 0.3481, 0.3286

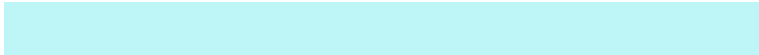


83.5741, 0.3347, 0.3666

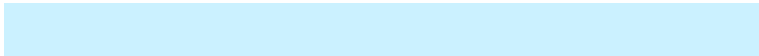


# Rectangle

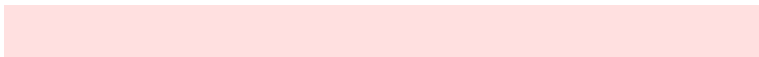
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5741, 0.2784, 0.3278



83.5741, 0.2740, 0.3003



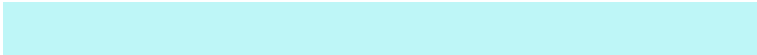
83.5741, 0.3481, 0.3286



83.5741, 0.3528, 0.3566

# Sweetspot

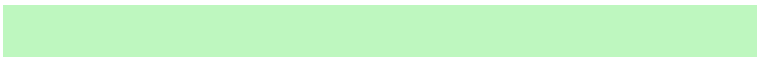
The Sweet Spot groups the original color and five complimentary colors.



83.5775, 0.2784, 0.3278



96.5679, 0.3018, 0.3287



81.2387, 0.3091, 0.3930



20.6093, 0.3009, 0.3286



0.0000, 0.0000, 0.0000

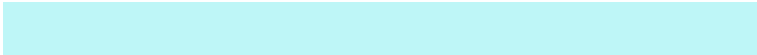


21.4041, 0.3127, 0.3290



# Same Dimension

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



83.5775, 0.2784, 0.3278



88.0733, 0.2718, 0.3275



67.5745, 0.2759, 0.2960



18.7042, 0.2981, 0.3285



37.3520, 0.2232, 0.3233



3.2987, 0.2234, 0.3241



# Inverse Universe

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



63.2545, 0.3162, 0.2724



62.5135, 0.3169, 0.2602



74.3961, 0.3537, 0.3599



16.7629, 0.3141, 0.3061



13.8701, 0.3254, 0.1566

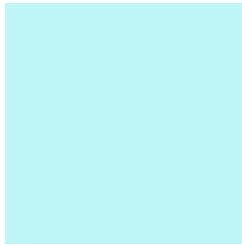


1.2206, 0.3248, 0.1563



# Previews

## White Background



This preview shows how the Yxy color 83.5741, 0.2784, 0.3278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

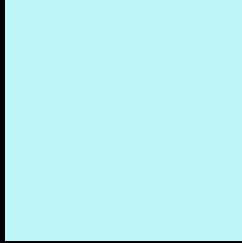
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.5741, 0.2784, 0.3278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

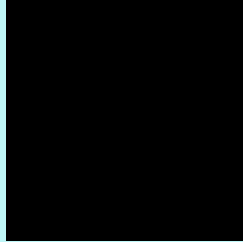
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

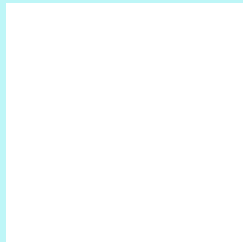
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 83.5741, 0.2784, 0.3278**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.5741, 0.2784, 0.3278.

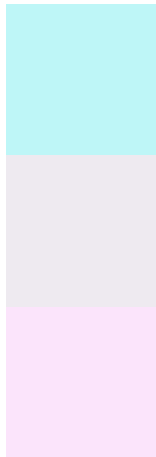


This preview shows how white text looks on a background with the Yxy color 83.5741, 0.2784, 0.3278.

# 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

83.5741, 0.2784, 0.3278

### Protanopia

83.3141, 0.3117, 0.3229

### Deuteranopia

82.9611, 0.3138, 0.3065



## Tritanopia

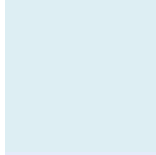
83.3960, 0.2835, 0.3143

# Trichromacy



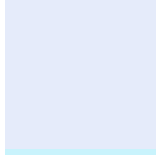
## Original Color

83.5741, 0.2784, 0.3278



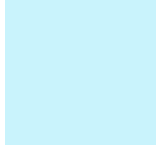
## Protanomaly

82.9923, 0.2987, 0.3238



## Deuteranomaly

82.9768, 0.2997, 0.3137



## Tritanomaly

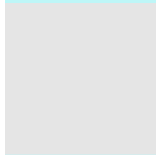
83.5470, 0.2818, 0.3194

# Monochromacy



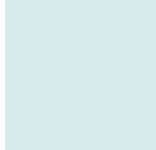
## Original Color

83.5741, 0.2784, 0.3278



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

79.9199, 0.2990, 0.3279

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.5741, 0.2784, 0.3278 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(190, 246, 247)` looks like.

```
.text, #text, p{  
    color:rgb(190, 246, 247)  
}
```

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(190, 246, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 246, 247) }
```

## Border

The CSS property to change the border of an element to Yxy 83.5741, 0.2784, 0.3278 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(190, 246, 247) }
```

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

```
.border{ border-color:rgb(190, 246, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 246, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 246, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 246, 247);  
box-shadow:4px 4px 4px 4px rgb(190, 246,  
247) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.5741, 0.2784, 0.3278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 246, 247) }
```

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

```
.background{ background-color: rgb(190,  
246, 247) }
```

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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