

# Converting Colors

$Yxy(83.6045, 0.2850, 0.3296)$

Have a look what the booklet for  
Yxy(83.6045, 0.2850, 0.3296)  
contains.

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# Color

**Yxy(83.3751, 0.2850, 0.3289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7F4F4
RGB	199, 244, 244
RGB Percent	78%, 96%, 96%
CMY	0.2193, 0.0432, 0.0431
CMYK	0.18, 0.00, 0.00, 0.04
HSL	180°, 67%, 87%
HSV	180°, 18%, 96%
XYZ	72.2466, 83.3751, 97.8751
YIQ	230.5450, -26.8200, -9.5400

# Conversions

## Conversions Part 2

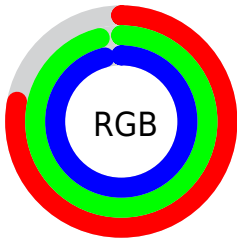
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 222, 244
Decimal	13104372
CIE <sub>Lab</sub>	93.18, -14.28, -4.78
CIE <sub>LCh</sub>	93, 15.062, 198.505
Yxy	83.3751, 0.2850, 0.3289
Android (android.graphics.Color)	4291294452 (0xFFC7F4F4)
YUV	230.5450, 6.6333, -27.6650
Hunter-Lab	91.3100, -18.5590, 0.3640

# Details

The Yxy color **83.3751, 0.2850, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.2465, 0.3487, 0.3291**, and the grayscale version is **79.5313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5266, 0.2786, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **80.2978, 0.2714, 0.3289**, and if you desaturate by 10%, it is **86.9945, 0.2997, 0.3290**.

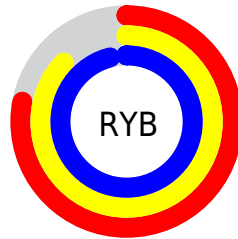
# Distribution



Red (78%)

Green (96%)

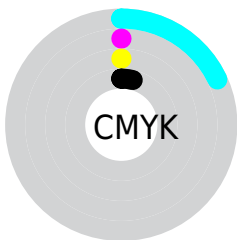
Blue (96%)



Red (78%)

Yellow (87%)

Blue (96%)

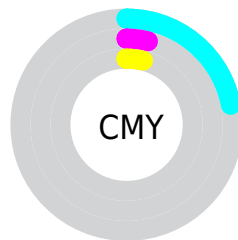


Cyan (18%)

Magenta (0%)

Yellow (0%)

Black (4%)



Cyan (22%)

Magenta (4%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3751, 0.2850, 0.3289 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 83.3751, 0.2850, 0.3289 by changing the saturation by 10% instead.



83.3751, 0.2850,  
0.3289

83.3751, 0.2850,  
0.3289

506.2358, 0.2974,  
0.3291

62.4996, 0.2823,  
0.3288

138.1007, 0.2892,  
0.3290

45.4365, 0.2789,  
0.3287

172.7196, 0.2909,  
0.3290

31.8014, 0.2747,  
0.3286

212.6885, 0.2924,  
0.3290

21.2099, 0.2694,  
0.3284

258.3917, 0.2936,  
0.3290

13.2775, 0.2623,  
0.3280

310.2136, 0.2947,  
0.3291

7.6199, 0.2524,  
0.3274

368.5387, 0.2957,

3.8527, 0.2378,

0.3291

433.7513, 0.2966,  
0.3291

0.3262

1.5915, 0.2141,  
0.3234

0.3519, 0.0000,  
0.3291

83.3751, 0.2850,  
0.3289

83.3751, 0.2850,  
0.3289

80.2978, 0.2714,  
0.3289

86.9945, 0.2997,  
0.3290

77.7267, 0.2593,  
0.3288


91.1694, 0.3152,  
0.3290


75.6379, 0.2489,  
0.3288

92.5014, 0.3199,  
0.3290


74.0012, 0.2403,  
0.3287


92.5063, 0.3199,  
0.3290

 72.7832, 0.2336,  
0.3287


 92.5111, 0.3199,  
0.3290


 71.9456, 0.2289,  
0.3287

 92.5160, 0.3199,  
0.3291


 71.4435, 0.2261,  
0.3287

 92.5208, 0.3199,  
0.3291

 71.2129, 0.2248,  
0.3286

 92.5257, 0.3199,  
0.3291

 71.1872, 0.2246,  
0.3286

 92.5305, 0.3199,  
0.3291

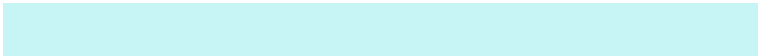
# Harmonies

## Analogous

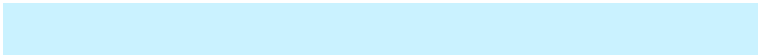
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.3751, 0.2977, 0.3447



83.3751, 0.2850, 0.3289



83.3751, 0.2796, 0.3137

# Triad

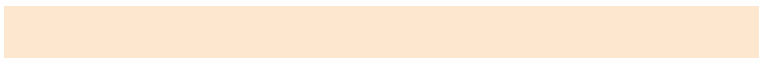
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3751, 0.2850, 0.3289



83.3751, 0.3100, 0.3038



83.3751, 0.3434, 0.3545

# Complementary

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



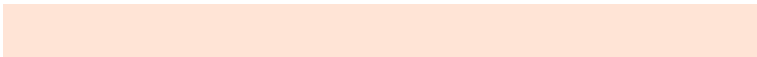
83.3751, 0.2850, 0.3289



64.2465, 0.3487, 0.3291

# 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.



83.3751, 0.3470, 0.3428



83.3751, 0.2850, 0.3289



83.3751, 0.3274, 0.3140

# Square

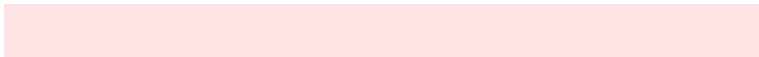
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3751, 0.2850, 0.3289



83.3751, 0.2937, 0.2998



83.3751, 0.3411, 0.3281

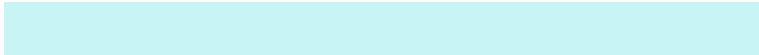


83.3751, 0.3315, 0.3596

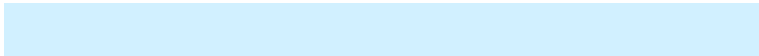


# Rectangle

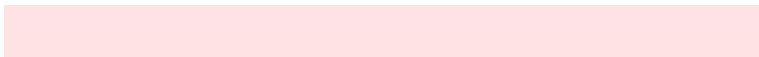
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



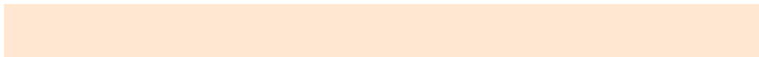
83.3751, 0.2850, 0.3289



83.3751, 0.2807, 0.3060



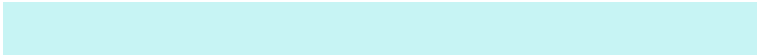
83.3751, 0.3411, 0.3281



83.3751, 0.3457, 0.3512

# Sweetspot

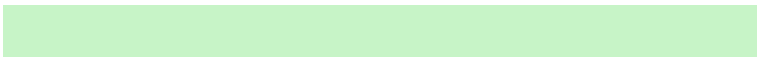
The Sweet Spot groups the original color and five complimentary colors.



83.3785, 0.2850, 0.3289



97.2096, 0.3034, 0.3290



80.9823, 0.3104, 0.3794



20.7448, 0.3024, 0.3290



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.



83.3785, 0.2850, 0.3289



90.8566, 0.2799, 0.3289



70.6806, 0.2836, 0.3042



18.7569, 0.2981, 0.3290



38.7066, 0.2246, 0.3286



3.4022, 0.2246, 0.3287



# Inverse Universe

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



66.6439, 0.3149, 0.2833



69.2796, 0.3153, 0.2741



75.3576, 0.3445, 0.3526



16.7682, 0.3138, 0.3057



14.0068, 0.3210, 0.1542

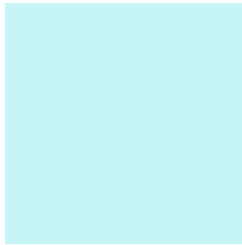


1.2311, 0.3210, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 83.3751, 0.2850, 0.3289 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

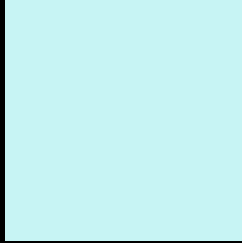
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 83.3751, 0.2850, 0.3289 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

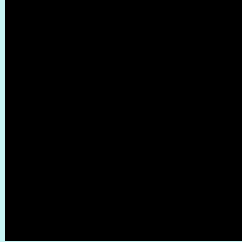
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.3751, 0.2850, 0.3289**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.3751, 0.2850, 0.3289.

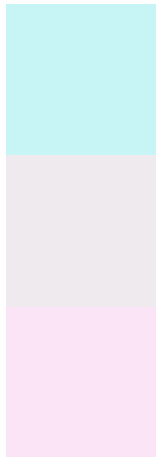


This preview shows how white text looks on a background with the Yxy color 83.3751, 0.2850, 0.3289.

# 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

83.3751, 0.2850, 0.3289

### Protanopia

83.1958, 0.3129, 0.3249

### Deuteranopia

82.8977, 0.3170, 0.3104



## Tritanopia

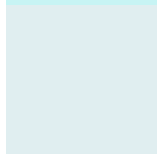
83.2418, 0.2852, 0.3133

# Trichromacy



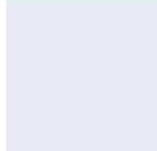
## Original Color

83.3751, 0.2850, 0.3289



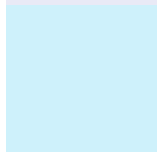
## Protanomaly

83.2876, 0.3024, 0.3269



## Deuteranomaly

82.8231, 0.3047, 0.3168



## Tritanomaly

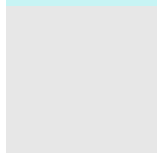
82.9974, 0.2851, 0.3184

# Monochromacy



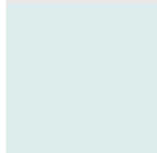
## Original Color

83.3751, 0.2850, 0.3289



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

81.1071, 0.3016, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.3751, 0.2850, 0.3289 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(199, 244, 244)` looks like.

```
.text, #text, p{  
    color:rgb(199, 244, 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(199, 244, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 244, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 83.3751, 0.2850, 0.3289 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(199, 244, 244) }
```

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

```
.border{ border-color:rgb(199, 244, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 244, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 244, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 244, 244);  
box-shadow:4px 4px 4px 4px rgb(199, 244,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.3751, 0.2850, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 244, 244) }
```

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

```
.background{ background-color: rgb(199,  
244, 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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