

Converting Colors

$Yxy(83.1785, 0.2831, 0.3303)$

Have a look what the booklet for
Yxy(83.1785, 0.2831, 0.3303)
contains.

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Color

Yxy(83.3780, 0.2833, 0.3311)

Conversions

Conversions Part 1

Format	Color
Hex	C3F5F3
RGB	195, 245, 243
RGB Percent	76%, 96%, 95%
CMY	0.2351, 0.0392, 0.0472
CMYK	0.20, 0.00, 0.01, 0.04
HSL	178°, 71%, 86%
HSV	178°, 20%, 96%
XYZ	71.3409, 83.3780, 97.1023
YIQ	229.8220, -29.1580, -11.2220

Conversions

Conversions Part 2

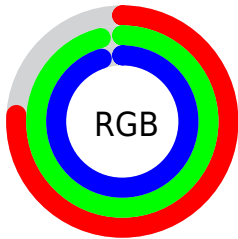
Format	Color
R_{YB}	195, 221, 245
Decimal	12842483
CIE _{Lab}	93.18, -16.20, -4.27
CIE _{LCh}	93, 16.757, 194.760
Yxy	83.3780, 0.2833, 0.3311
Android (android.graphics.Color)	4291032563 (0xFFC3F5F3)
YUV	229.8220, 6.4968, -30.5389
Hunter-Lab	91.3116, -20.3347, 0.8681

Details

The Yxy color **83.3780, 0.2833, 0.3311** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.4994, 0.3519, 0.3270**, and the grayscale version is **78.9667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **45.5585, 0.2765, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **80.3202, 0.2704, 0.3323**, and if you desaturate by 10%, it is **86.9784, 0.2973, 0.3300**.

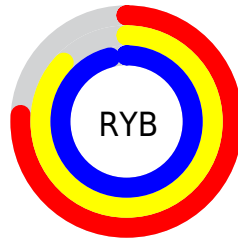
Distribution



Red (76%)

Green (96%)

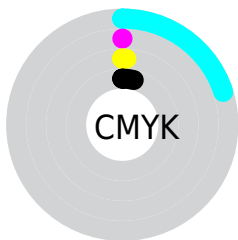
Blue (95%)



Red (76%)

Yellow (87%)

Blue (96%)

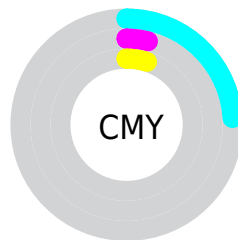


Cyan (20%)

Magenta (0%)

Yellow (1%)

Black (4%)



Cyan (24%)


Magenta (4%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3780, 0.2833, 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 83.3780, 0.2833, 0.3311 by changing the saturation by 10% instead.


 83.3780, 0.2833,
0.3311

 83.3780, 0.2833,
0.3311


506.2454, 0.2965,
0.3303

 62.5020, 0.2804,
0.3312


 138.1048, 0.2878,
0.3308

 45.4385, 0.2768,
0.3314


172.7243, 0.2896,
0.3307

 31.8029, 0.2724,
0.3316


212.6939, 0.2911,
0.3306

 21.2110, 0.2667,
0.3318

258.3979, 0.2925,
0.3306

 13.2783, 0.2592,
0.3320

310.2206, 0.2936,
0.3305

 7.6205, 0.2487,
0.3322


368.5465, 0.2947,


 3.8531, 0.2333,


0.3304


433.7600, 0.2956,
0.3304


0.3321


 1.5917, 0.2082,
0.3313

 0.3520, 0.0000,
0.3405


 83.3780, 0.2833,
0.3311


 83.3780, 0.2833,
0.3311


 80.3202, 0.2704,
0.3323


 86.9784, 0.2973,
0.3300

 77.7687, 0.2590,
0.3335

 91.1354, 0.3121,
0.3290

 75.6987, 0.2492,
0.3348

 93.2144, 0.3186,
0.3281

 74.0791, 0.2412,
0.3361

 93.2757, 0.3180,
0.3271


 72.8753, 0.2352,
0.3375


 93.3372, 0.3174,
0.3262


 72.0476, 0.2312,
0.3388

 93.3991, 0.3168,
0.3252

 71.5487, 0.2290,
0.3402

 93.4614, 0.3162,
0.3243

 71.3045, 0.2282,
0.3414

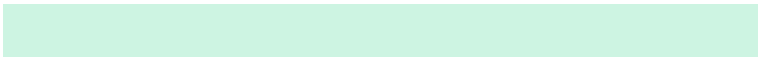
 93.5239, 0.3156,
0.3233

 93.5868, 0.3150,
0.3224

Harmonies

Analogous

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



83.3780, 0.2982, 0.3484



83.3780, 0.2833, 0.3311



83.3780, 0.2762, 0.3138

Triad

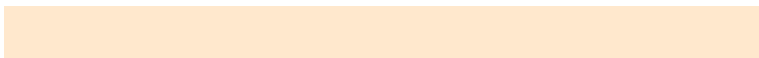
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3780, 0.2833, 0.3311



83.3780, 0.3072, 0.3001



83.3780, 0.3479, 0.3560

Complementary

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



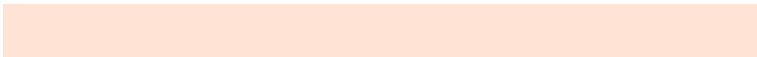
83.3780, 0.2833, 0.3311



62.4994, 0.3519, 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.



83.3780, 0.3507, 0.3423



83.3780, 0.2833, 0.3311



83.3780, 0.3268, 0.3107

Square

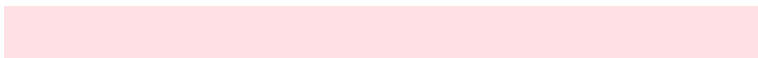
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3780, 0.2833, 0.3311



83.3780, 0.2897, 0.2966



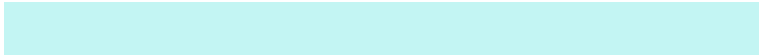
83.3780, 0.3429, 0.3259



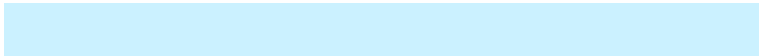
83.3780, 0.3356, 0.3628

Rectangle

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



83.3780, 0.2833, 0.3311



83.3780, 0.2767, 0.3047



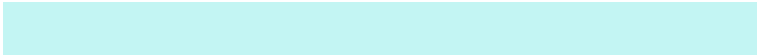
83.3780, 0.3429, 0.3259



83.3780, 0.3500, 0.3520

Sweetspot

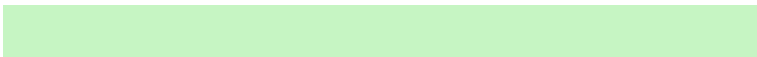
The Sweet Spot groups the original color and five complimentary colors.



83.3814, 0.2833, 0.3311



97.1729, 0.3037, 0.3296



81.1901, 0.3117, 0.3853



20.7361, 0.3027, 0.3296



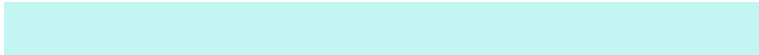
0.0000, 0.0000, 0.0000



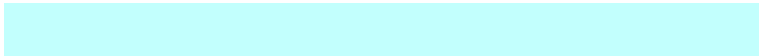
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3814, 0.2833, 0.3311



90.0239, 0.2784, 0.3315



70.7210, 0.2806, 0.3041



18.7455, 0.2986, 0.3299



38.4192, 0.2281, 0.3412



3.3802, 0.2277, 0.3395

Inverse Universe

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



62.4994, 0.3519, 0.3270



63.7531, 0.3610, 0.3266



73.2519, 0.3489, 0.3527



16.4934, 0.3287, 0.3281



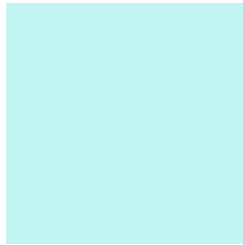
10.4745, 0.6358, 0.3276



0.9244, 0.6252, 0.3218

Previews

White Background



This preview shows how the Yxy color 83.3780, 0.2833, 0.3311 looks on a white background.

Color Contrast Check

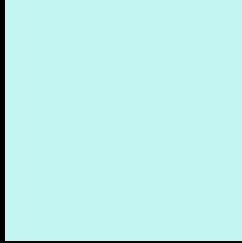
Large Text (above 18pt) WCAG AA × Fail

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 83.3780, 0.2833, 0.3311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

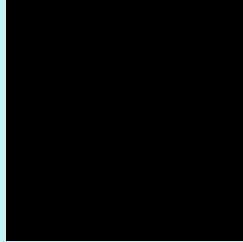
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

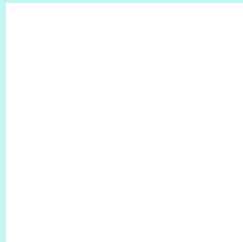
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3780, 0.2833, 0.3311

Background



This preview shows how black text looks on a background with the Yxy color 83.3780, 0.2833, 0.3311.

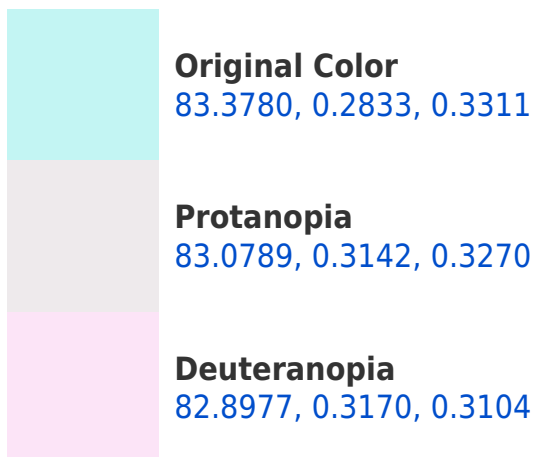


This preview shows how white text looks on a background with the Yxy color 83.3780, 0.2833, 0.3311.

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





Tritanopia

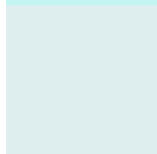
83.0955, 0.2846, 0.3133

Trichromacy



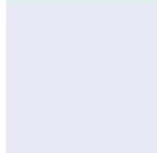
Original Color

83.3780, 0.2833, 0.3311



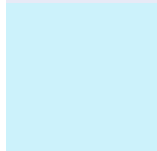
Protanomaly

82.9107, 0.3017, 0.3279



Deuteranomaly

82.4884, 0.3034, 0.3167



Tritanomaly

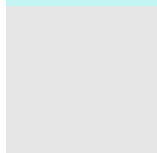
83.3067, 0.2840, 0.3194

Monochromacy



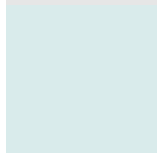
Original Color

83.3780, 0.2833, 0.3311



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.1665, 0.3009, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3780, 0.2833, 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(195, 245, 243)` looks like.

```
.text, #text, p{  
    color:rgb(195, 245, 243)  
}
```

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(195, 245, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 245, 243) }
```

Border

The CSS property to change the border of an element to Yxy 83.3780, 0.2833, 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(195, 245, 243) }
```

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

```
.border{ border-color:rgb(195, 245, 243) }
```

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

Here you see how a box with a 4 pixel rgb(195, 245, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 245, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 245, 243);  
box-shadow:4px 4px 4px 4px rgb(195, 245,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3780, 0.2833, 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(195, 245, 243) }
```

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

```
.background{ background-color: rgb(195,  
245, 243) }
```

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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