

Converting Colors

$Yxy(83.8162, 0.2989, 0.3538)$

Have a look what the booklet for
Yxy(83.8162, 0.2989, 0.3538)
contains.

Yxy(83.9358, 0.2990, 0.3540)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(83.9358, 0.2990, 0.3540)

Conversions

Conversions Part 1

Format	Color
Hex	CBF6DF
RGB	203, 246, 223
RGB Percent	80%, 96%, 87%
CMY	0.2041, 0.0352, 0.1255
CMYK	0.18, 0.00, 0.09, 0.04
HSL	148°, 71%, 88%
HSV	148°, 18%, 96%
XYZ	70.8949, 83.9358, 82.2761
YIQ	230.5210, -18.2450, -16.2690

Conversions

Conversions Part 2

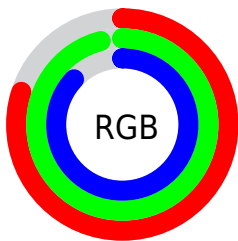
Format	Color
R _Y B	203, 232, 246
Decimal	13367007
CIE Lab	93.42, -18.20, 6.49
CIE LCh	93, 19.323, 160.364
Yxy	83.9358, 0.2990, 0.3540
Android (android.graphics.Color)	4291557087 (0xFFC6BF6DF)
YUV	230.5210, -3.7079, -24.1359
Hunter-Lab	91.6165, -22.2015, 10.8862

Details

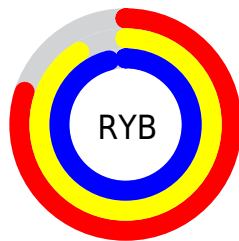
The Yxy color **83.9358, 0.2990, 0.3540** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.7776, 0.3292, 0.3053**, and the grayscale version is **79.5716, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9500, 0.2955, 0.3602** is the 20% darker color. If you saturate the color by 10%, you get **80.0738, 0.2916, 0.3705**, and if you desaturate by 10%, it is **88.4079, 0.3068, 0.3391**.

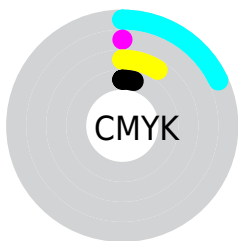
Distribution



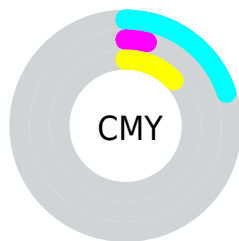
- Red (80%)
- Green (96%)
- Blue (87%)



- Red (80%)
- Yellow (91%)
- Blue (96%)



- Cyan (18%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (20%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9358, 0.2990, 0.3540 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 83.9358, 0.2990, 0.3540 by changing the saturation by 10% instead.


 83.9358, 0.2990,
0.3540

 83.9358, 0.2990,
0.3540

508.1000, 0.3053,
0.3425

 62.9624, 0.2976,
0.3566


138.8854, 0.3012,
0.3500

 45.8108, 0.2958,
0.3598


173.6304, 0.3020,
0.3485

 32.0966, 0.2936,
0.3639


213.7347, 0.3028,
0.3471

 21.4353, 0.2907,
0.3692

259.5827, 0.3034,
0.3460

 13.4425, 0.2868,
0.3764

311.5589, 0.3040,
0.3449

 7.7340, 0.2812,
0.3868

370.0476, 0.3045,

 3.9252, 0.2726,

0.3440

0.4029

435.4331, 0.3049,
0.3432

■ 1.6318, 0.2575,
0.4312

■ 0.3789, 0.0000,
1.0000

■ 83.9358, 0.2990,
0.3540

■ 83.9358, 0.2990,
0.3540

■ 80.0738, 0.2916,
0.3705

■ 88.4079, 0.3068,
0.3391

■ 76.7844, 0.2849,
0.3887

■ 93.5049, 0.3147,
0.3258

■ 74.0419, 0.2792,
0.4082

■ 94.4008, 0.3131,
0.3204

■ 71.8145, 0.2748,
0.4287

■ 70.0671, 0.2721,
0.4499

■ 68.7596, 0.2713,
0.4711

■ 67.8456, 0.2725,
0.4915

■ 67.2637, 0.2756,
0.5107

■ 67.1475, 0.2765,
0.5153

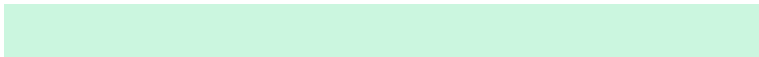
Harmonies

Analogous

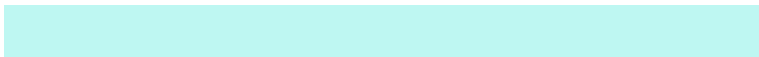
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9358, 0.3212, 0.3663



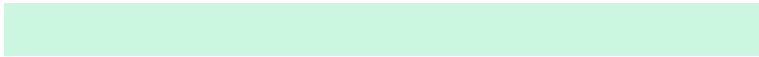
83.9358, 0.2990, 0.3540



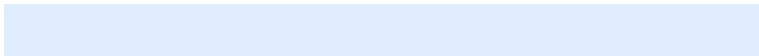
83.9358, 0.2810, 0.3344

Triad

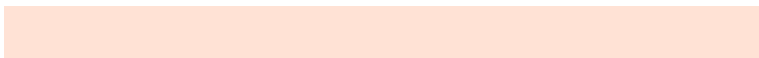
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9358, 0.2990, 0.3540



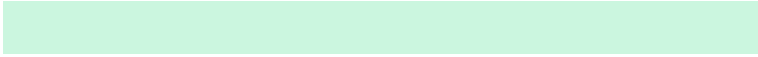
83.9358, 0.2838, 0.2921



83.9358, 0.3559, 0.3415

Complementary

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



83.9358, 0.2990, 0.3540



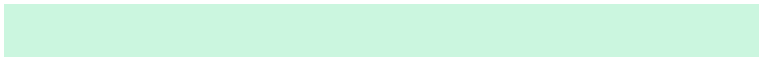
67.7776, 0.3292, 0.3053

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.



83.9358, 0.3452, 0.3226



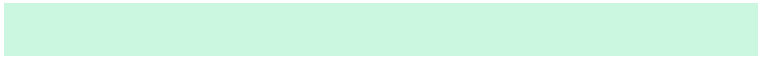
83.9358, 0.2990, 0.3540



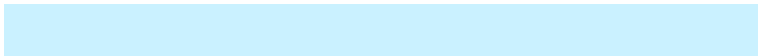
83.9358, 0.3031, 0.2948

Square

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



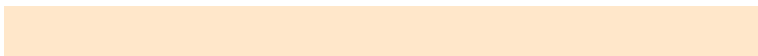
83.9358, 0.2990, 0.3540



83.9358, 0.2724, 0.2988



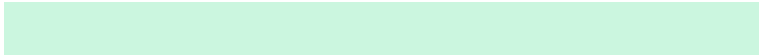
83.9358, 0.3256, 0.3058



83.9358, 0.3545, 0.3580

Rectangle

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



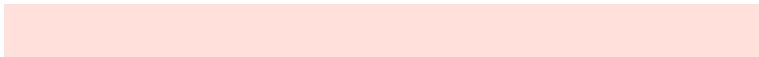
83.9358, 0.2990, 0.3540



83.9358, 0.2735, 0.3205



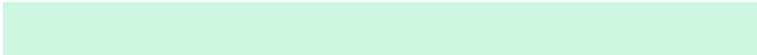
83.9358, 0.3256, 0.3058



83.9358, 0.3536, 0.3352

Sweetspot

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



83.9393, 0.2990, 0.3540



97.2303, 0.3087, 0.3357



86.5030, 0.3260, 0.3745



20.7309, 0.3082, 0.3366



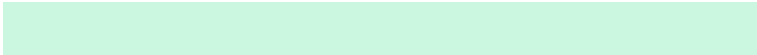
0.0000, 0.0000, 0.0000



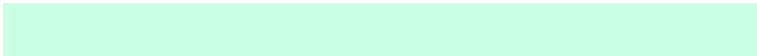
21.4041, 0.3127, 0.3290

Same Dimension

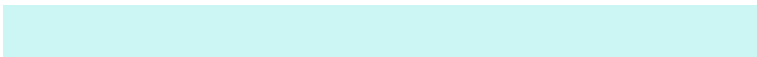
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9393, 0.2990, 0.3540



89.5117, 0.2963, 0.3597



85.1349, 0.2875, 0.3312



18.6004, 0.3052, 0.3419



35.8635, 0.2756, 0.5123



3.1726, 0.2690, 0.4884

Inverse Universe

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



67.7776, 0.3292, 0.3053



68.9607, 0.3332, 0.3002



66.7013, 0.3449, 0.3268



16.6306, 0.3210, 0.3164



11.3684, 0.4814, 0.2426



1.0199, 0.4557, 0.2284

Previews

White Background



This preview shows how the Yxy color 83.9358, 0.2990, 0.3540 looks on a white background.

Color Contrast Check

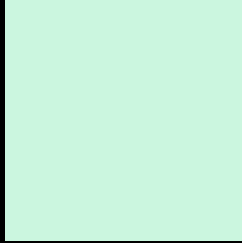
Large Text (above 18pt) WCAG AA × Fail

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 83.9358, 0.2990, 0.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

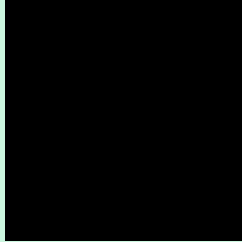
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

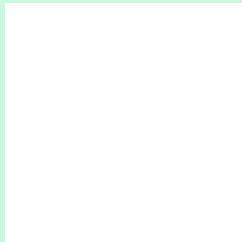
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9358, 0.2990, 0.3540

Background



This preview shows how black text looks on a background with the Yxy color 83.9358, 0.2990, 0.3540.

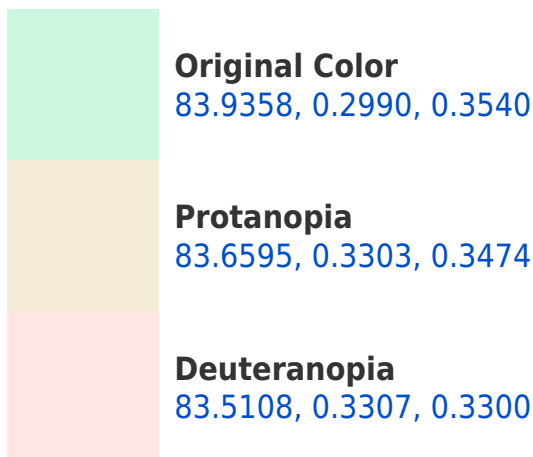


This preview shows how white text looks on a background with the Yxy color 83.9358, 0.2990, 0.3540.

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

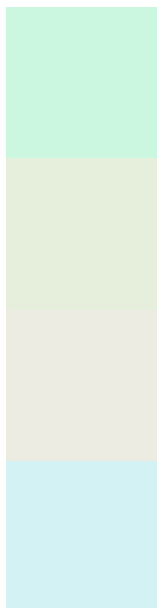




Tritanopia

83.9872, 0.2882, 0.3134

Trichromacy



Original Color

83.9358, 0.2990, 0.3540

Protanomaly

83.5055, 0.3184, 0.3500

Deuteranomaly

83.3698, 0.3183, 0.3383

Tritanomaly

83.8242, 0.2926, 0.3279

Monochromacy



Original Color

83.9358, 0.2990, 0.3540

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.9645, 0.3077, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9358, 0.2990, 0.3540 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(203, 246, 223)` looks like.

```
.text, #text, p{  
    color:rgb(203, 246, 223)  
}
```

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(203, 246, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 246, 223) }
```

Border

The CSS property to change the border of an element to Yxy 83.9358, 0.2990, 0.3540 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(203, 246, 223) }
```

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

```
.border{ border-color:rgb(203, 246, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 246, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 246, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 246, 223);  
box-shadow:4px 4px 4px 4px rgb(203, 246,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9358, 0.2990, 0.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 246, 223) }
```

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

```
.background{ background-color: rgb(203,  
246, 223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor