

Converting Colors

$Yxy(84.7344, 0.2989, 0.3547)$

Have a look what the booklet for
Yxy(84.7344, 0.2989, 0.3547)
contains.

Yxy(84.5458, 0.2990, 0.3550)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.5458, 0.2990, 0.3550)

Conversions

Conversions Part 1

Format	Color
Hex	CBF7DF
RGB	203, 247, 223
RGB Percent	80%, 97%, 87%
CMY	0.2040, 0.0313, 0.1253
CMYK	0.18, 0.00, 0.10, 0.03
HSL	147°, 73%, 88%
HSV	147°, 18%, 97%
XYZ	71.2090, 84.5458, 82.4024
YIQ	231.1080, -18.5200, -16.7920

Conversions

Conversions Part 2

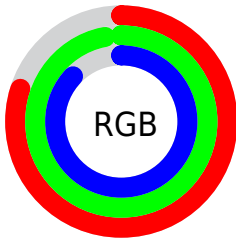
Format	Color
RYB	203, 233, 247
Decimal	13367263
CIELab	93.69, -18.67, 6.86
CIELCh	94, 19.890, 159.836
Yxy	84.5458, 0.2990, 0.3550
Android (android.graphics.Color)	4291557343 (0xFFCBF7DF)
YUV	231.1080, -3.9972, -24.6507
Hunter-Lab	91.9488, -22.6725, 11.2298

Details

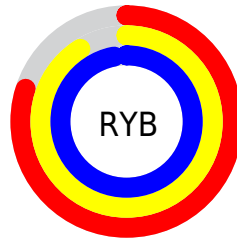
The Yxy color **84.5458, 0.2990, 0.3550** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.0236, 0.3292, 0.3044**, and the grayscale version is **80.0380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3847, 0.2955, 0.3615** is the 20% darker color. If you saturate the color by 10%, you get **80.6565, 0.2917, 0.3719**, and if you desaturate by 10%, it is **89.0523, 0.3066, 0.3398**.

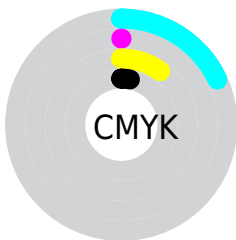
Distribution



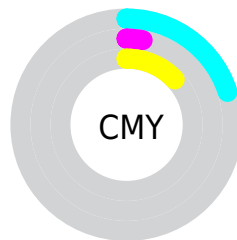
- Red (80%)
- Green (97%)
- Blue (87%)



- Red (80%)
- Yellow (91%)
- Blue (97%)



- Cyan (18%)
- Magenta (0%)
- Yellow (10%)
- Black (3%)





- Cyan (20%)
- Magenta (3%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5458, 0.2990, 0.3550 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 84.5458, 0.2990, 0.3550 by changing the saturation by 10% instead.


 84.5458, 0.2990,
0.3550

 84.5458, 0.2990,
0.3550


510.1239, 0.3053,
0.3431

 63.4662, 0.2976,
0.3577


139.7384, 0.3012,
0.3509

 46.2184, 0.2958,
0.3611


174.6202, 0.3020,
0.3493

 32.4182, 0.2936,
0.3653


214.8714, 0.3028,
0.3479

 21.6811, 0.2907,
0.3708

260.8766, 0.3034,
0.3467

 13.6228, 0.2868,
0.3783

313.0200, 0.3040,
0.3456

 7.8588, 0.2812,
0.3890

371.6861, 0.3045,

 4.0047, 0.2726,

0.3446

437.2593, 0.3049,
0.3438

0.4056

1.6762, 0.2575,
0.4349

0.4082, 0.0000,
1.0000

84.5458, 0.2990,
0.3550

84.5458, 0.2990,
0.3550

80.6565, 0.2917,
0.3719

89.0523, 0.3066,
0.3398


77.3463, 0.2852,
0.3905

94.1910, 0.3144,
0.3262


74.5892, 0.2796,
0.4104


95.0053, 0.3131,
0.3214


72.3528, 0.2753,
0.4314

 70.6014, 0.2728,
0.4530

 69.2945, 0.2721,
0.4745

 68.3846, 0.2734,
0.4953

 67.8079, 0.2766,
0.5146

 67.7065, 0.2774,
0.5186

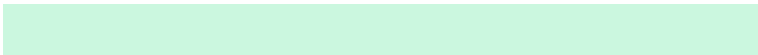
Harmonies

Analogous

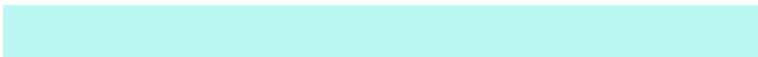
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5458, 0.3218, 0.3675



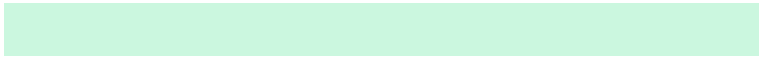
84.5458, 0.2990, 0.3550



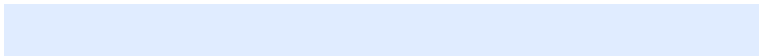
84.5458, 0.2804, 0.3349

Triad

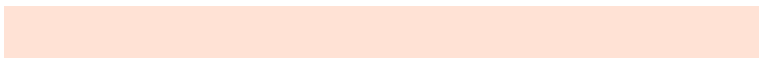
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5458, 0.2990, 0.3550



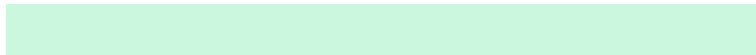
84.5458, 0.2827, 0.2911



84.5458, 0.3570, 0.3414

Complementary

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



84.5458, 0.2990, 0.3550



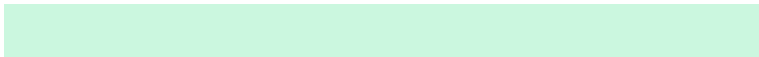
68.0236, 0.3292, 0.3044

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.



84.5458, 0.3458, 0.3221



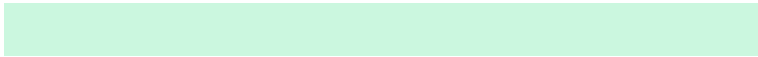
84.5458, 0.2990, 0.3550



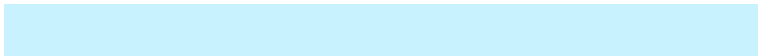
84.5458, 0.3024, 0.2938

Square

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



84.5458, 0.2990, 0.3550



84.5458, 0.2712, 0.2982



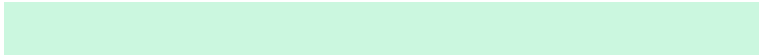
84.5458, 0.3256, 0.3050



84.5458, 0.3558, 0.3585

Rectangle

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



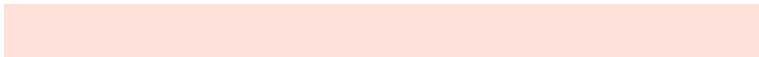
84.5458, 0.2990, 0.3550



84.5458, 0.2726, 0.3206



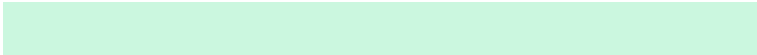
84.5458, 0.3256, 0.3050



84.5458, 0.3546, 0.3350

Sweetspot

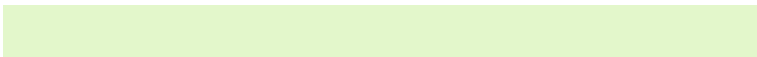
The Sweet Spot groups the original color and five complimentary colors.



84.5493, 0.2990, 0.3550



97.2224, 0.3088, 0.3358



87.1992, 0.3262, 0.3754



20.7290, 0.3083, 0.3368



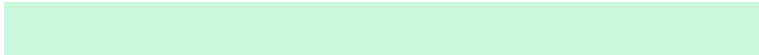
0.0000, 0.0000, 0.0000



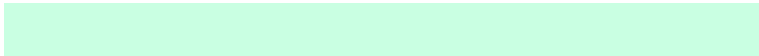
21.4041, 0.3127, 0.3290

Same Dimension

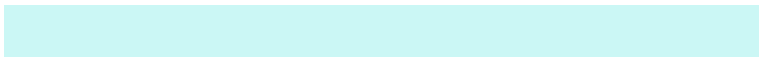
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5493, 0.2990, 0.3550



89.4823, 0.2966, 0.3603



85.8003, 0.2870, 0.3313



18.5976, 0.3054, 0.3422



35.8336, 0.2765, 0.5155



3.1699, 0.2698, 0.4914

Inverse Universe

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



68.0236, 0.3292, 0.3044



68.9908, 0.3328, 0.2997



66.8968, 0.3456, 0.3268



16.6335, 0.3208, 0.3162



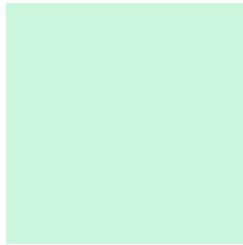
11.4045, 0.4772, 0.2403



1.0231, 0.4522, 0.2265

Previews

White Background



This preview shows how the Yxy color 84.5458, 0.2990, 0.3550 looks on a white background.

Color Contrast Check

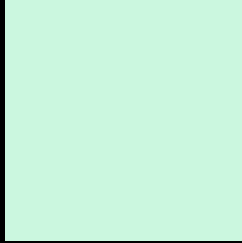
Large Text (above 18pt) WCAG AA × Fail

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 84.5458, 0.2990, 0.3550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

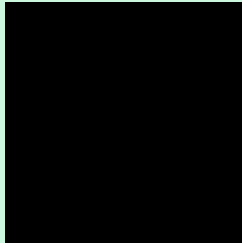
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

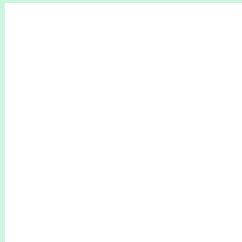
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5458, 0.2990, 0.3550

Background



This preview shows how black text looks on a background with the Yxy color 84.5458, 0.2990, 0.3550.

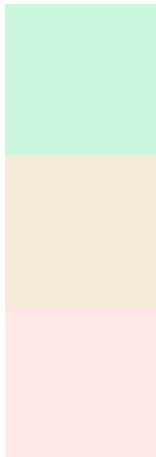


This preview shows how white text looks on a background with the Yxy color 84.5458, 0.2990, 0.3550.

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

84.5458, 0.2990, 0.3550

Protanopia

83.8389, 0.3310, 0.3474

Deuteranopia

84.1250, 0.3299, 0.3300



Tritanopia

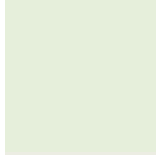
84.2919, 0.2894, 0.3135

Trichromacy



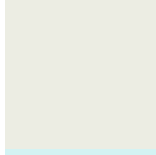
Original Color

84.5458, 0.2990, 0.3550



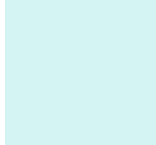
Protanomaly

83.6705, 0.3190, 0.3499



Deuteranomaly

83.9473, 0.3183, 0.3393



Tritanomaly

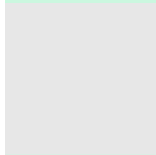
84.5693, 0.2932, 0.3289

Monochromacy



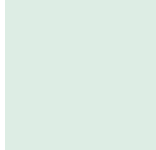
Original Color

84.5458, 0.2990, 0.3550



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.5420, 0.3076, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5458, 0.2990, 0.3550 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, 247, 223)` looks like.

```
.text, #text, p{  
    color:rgb(203, 247, 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, 247, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 247, 223) }
```

Border

The CSS property to change the border of an element to Yxy 84.5458, 0.2990, 0.3550 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, 247, 223) }
```

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

```
.border{ border-color:rgb(203, 247, 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, 247, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 247, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 247, 223);  
box-shadow:4px 4px 4px 4px rgb(203, 247,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5458, 0.2990, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 247, 223) }
```

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

```
.background{ background-color: rgb(203,  
247, 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