

Converting Colors

$Yxy(83.9498, 0.2893, 0.3453)$

Have a look what the booklet for
Yxy(83.9498, 0.2893, 0.3453)
contains.

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Color

Yxy(83.9498, 0.2893, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	C3F7E8
RGB	195, 247, 232
RGB Percent	76%, 97%, 91%
CMY	0.2352, 0.0314, 0.0902
CMYK	0.21, 0.00, 0.06, 0.03
HSL	163°, 76%, 87%
HSV	163°, 21%, 97%
XYZ	70.3350, 83.9498, 88.8365
YIQ	229.7420, -26.1770, -15.6890

Conversions

Conversions Part 2

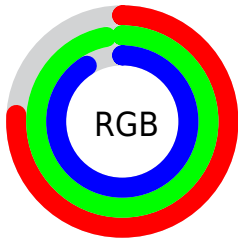
Format	Color
R _Y B	195, 225, 247
Decimal	12842984
CIE Lab	93.43, -19.42, 1.79
CIE LCh	93, 19.505, 174.748
Yxy	83.9498, 0.2893, 0.3453
Android (android.graphics.Color)	4291033064 (0xFFC3F7E8)
YUV	229.7420, 1.1132, -30.4687
Hunter-Lab	91.6241, -23.3172, 6.6507

Details

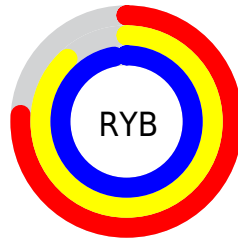
The Yxy color **83.9498, 0.2893, 0.3453** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.4688, 0.3432, 0.3133**, and the grayscale version is **78.9407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4354, 0.3109, 0.3290**, and **45.9716, 0.2841, 0.3503** is the 20% darker color. If you saturate the color by 10%, you get **80.5332, 0.2792, 0.3542**, and if you desaturate by 10%, it is **87.9341, 0.3002, 0.3371**.

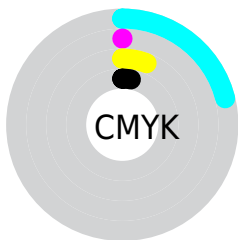
Distribution



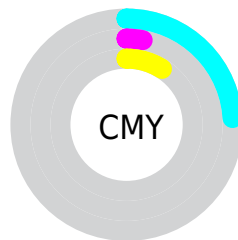
- Red (76%)
- Green (97%)
- Blue (91%)



- Red (76%)
- Yellow (88%)
- Blue (97%)



- Cyan (21%)
- Magenta (0%)
- Yellow (6%)
- Black (3%)





- Cyan (24%)
- Magenta (3%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9498, 0.2893, 0.3453 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 83.9498, 0.2893, 0.3453 by changing the saturation by 10% instead.


 83.9498, 0.2893,
0.3453

 83.9498, 0.2893,
0.3453


508.1465, 0.2999,
0.3379

 62.9740, 0.2869,
0.3470


 138.9050, 0.2929,
0.3428

 45.8202, 0.2841,
0.3490


173.6531, 0.2943,
0.3418

 32.1039, 0.2804,
0.3516


213.7608, 0.2956,
0.3409

 21.4409, 0.2758,
0.3549

259.6124, 0.2967,
0.3401

 13.4467, 0.2696,
0.3593

311.5924, 0.2976,
0.3395

 7.7368, 0.2608,
0.3656

370.0852, 0.2984,

 3.9270, 0.2477,

0.3389

435.4751, 0.2992,
0.3384

0.3751

1.6328, 0.2259,
0.3914

0.3796, 0.0000,
0.5682

83.9498, 0.2893,
0.3453

83.9498, 0.2893,
0.3453

80.5332, 0.2792,
0.3542

87.9341, 0.3002,
0.3371

77.6468, 0.2702,
0.3638


92.5006, 0.3115,
0.3297


75.2649, 0.2626,
0.3740


94.8988, 0.3140,
0.3229


73.3556, 0.2567,
0.3847

95.0023, 0.3131,
0.3214

 71.8829, 0.2527,
0.3957

 70.8058, 0.2507,
0.4068

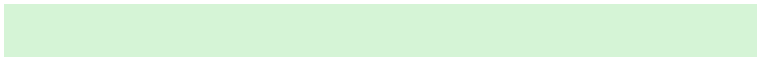
 70.0751, 0.2507,
0.4178

 69.6449, 0.2521,
0.4275

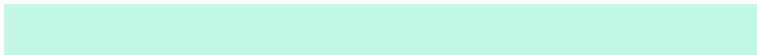
Harmonies

Analogous

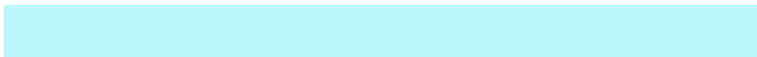
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.9498, 0.3103, 0.3620



83.9498, 0.2893, 0.3453



83.9498, 0.2748, 0.3243

Triad

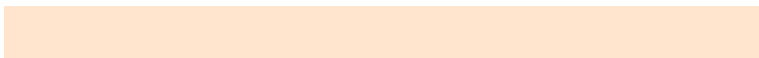
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9498, 0.2893, 0.3453



83.9498, 0.2921, 0.2919



83.9498, 0.3572, 0.3502

Complementary

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



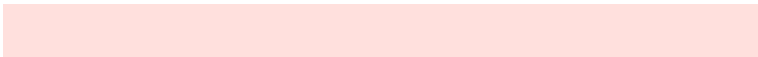
83.9498, 0.2893, 0.3453



63.4688, 0.3432, 0.3133

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.



83.9498, 0.3521, 0.3317



83.9498, 0.2893, 0.3453



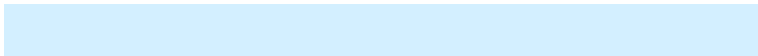
83.9498, 0.3139, 0.2989

Square

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



83.9498, 0.2893, 0.3453



83.9498, 0.2763, 0.2941



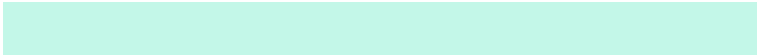
83.9498, 0.3360, 0.3132



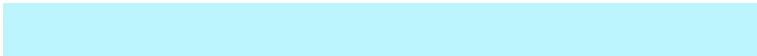
83.9498, 0.3499, 0.3640

Rectangle

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



83.9498, 0.2893, 0.3453



83.9498, 0.2705, 0.3112



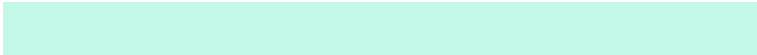
83.9498, 0.3360, 0.3132



83.9498, 0.3569, 0.3443

Sweetspot

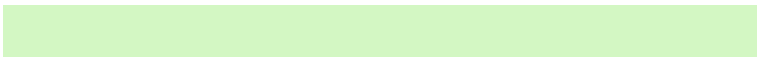
The Sweet Spot groups the original color and five complimentary colors.



83.9533, 0.2893, 0.3453



96.9316, 0.3058, 0.3333



84.2556, 0.3200, 0.3859



20.6789, 0.3051, 0.3338



0.0000, 0.0000, 0.0000



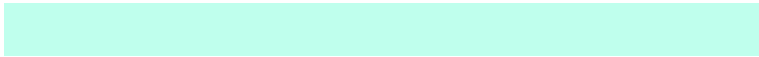
21.4041, 0.3127, 0.3290

Same Dimension

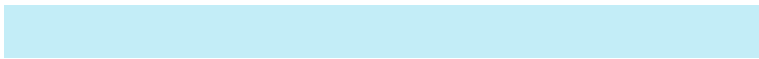
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.9533, 0.2893, 0.3453



88.7197, 0.2852, 0.3488



78.6606, 0.2805, 0.3176



18.6715, 0.3019, 0.3359



36.8583, 0.2516, 0.4257



3.2572, 0.2478, 0.4120

Inverse Universe

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



63.4688, 0.3432, 0.3133



63.2666, 0.3506, 0.3102



67.5782, 0.3530, 0.3401



16.5612, 0.3248, 0.3222



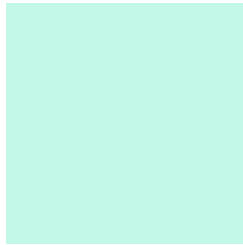
10.7218, 0.5804, 0.2971



0.9594, 0.5450, 0.2776

Previews

White Background



This preview shows how the Yxy color 83.9498, 0.2893, 0.3453 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 83.9498, 0.2893, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

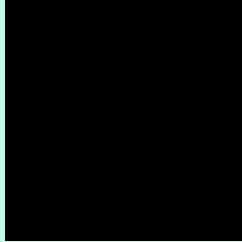
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

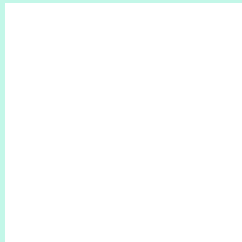
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9498, 0.2893, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 83.9498, 0.2893, 0.3453.

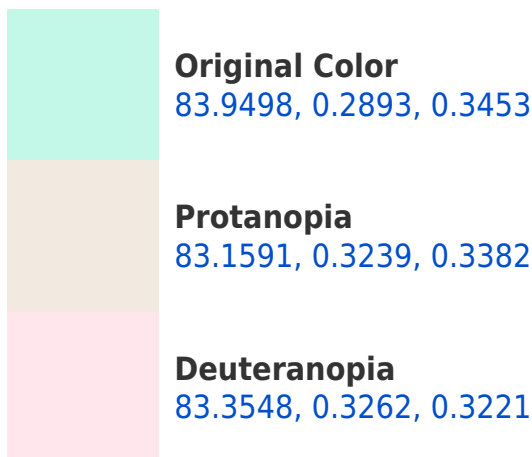


This preview shows how white text looks on a background with the Yxy color 83.9498, 0.2893, 0.3453.

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

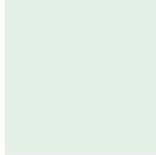
83.9795, 0.2859, 0.3144

Trichromacy



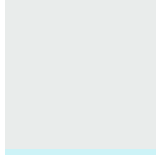
Original Color

83.9498, 0.2893, 0.3453



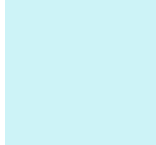
Protanomaly

83.3420, 0.3102, 0.3405



Deuteranomaly

83.3127, 0.3113, 0.3300



Tritanomaly

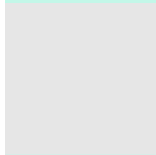
83.7957, 0.2868, 0.3247

Monochromacy



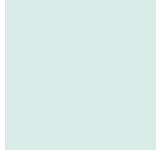
Original Color

83.9498, 0.2893, 0.3453



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.5121, 0.3033, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9498, 0.2893, 0.3453 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, 247, 232)` looks like.

```
.text, #text, p{  
    color:rgb(195, 247, 232)  
}
```

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, 247, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 247, 232) }
```

Border

The CSS property to change the border of an element to Yxy 83.9498, 0.2893, 0.3453 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, 247, 232) }
```

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

```
.border{ border-color:rgb(195, 247, 232) }
```

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

Here you see how a box with a 4 pixel rgb(195, 247, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 247, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 247, 232);  
box-shadow:4px 4px 4px 4px rgb(195, 247,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9498, 0.2893, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 247, 232) }
```

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

```
.background{ background-color: rgb(195,  
247, 232) }
```

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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