

Converting Colors

$Yxy(85.6488, 0.2885, 0.3484)$

Have a look what the booklet for
Yxy(85.6488, 0.2885, 0.3484)
contains.

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Color

Yxy(85.6667, 0.2888, 0.3485)

Conversions

Conversions Part 1

Format	Color
Hex	C2FAE8
RGB	194, 250, 232
RGB Percent	76%, 98%, 91%
CMY	0.2394, 0.0196, 0.0901
CMYK	0.22, 0.00, 0.07, 0.02
HSL	161°, 85%, 87%
HSV	161°, 22%, 98%
XYZ	70.9915, 85.6667, 89.1573
YIQ	231.2040, -27.5980, -17.4700

Conversions

Conversions Part 2

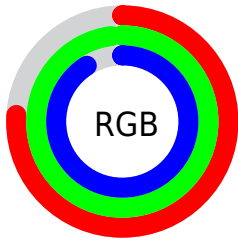
Format	Color
RYB	194, 227, 250
Decimal	12778216
CIELab	94.17, -21.21, 2.84
CIElCh	94, 21.403, 172.379
Yxy	85.6667, 0.2888, 0.3485
Android (android.graphics.Color)	4290968296 (0xFFC2FAE8)
YUV	231.2040, 0.3924, -32.6279
Hunter-Lab	92.5563, -25.0624, 7.6768

Details

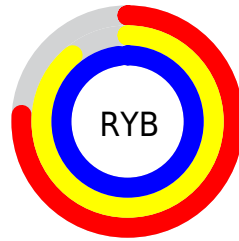
The Yxy color **85.6667, 0.2888, 0.3485** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.6363, 0.3443, 0.3104**, and the grayscale version is **80.0791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2492, 0.3102, 0.3290**, and **46.7635, 0.2836, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **82.1914, 0.2792, 0.3586**, and if you desaturate by 10%, it is **89.7263, 0.2992, 0.3393**.

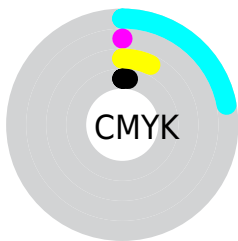
Distribution



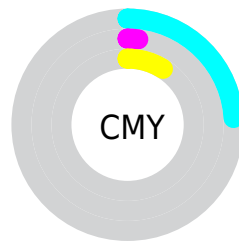
- Red (76%)
- Green (98%)
- Blue (91%)



- Red (76%)
- Yellow (89%)
- Blue (98%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)



- Cyan (24%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6667, 0.2888, 0.3485 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 85.6667, 0.2888, 0.3485 by changing the saturation by 10% instead.


 85.6667, 0.2888,
0.3485

 85.6667, 0.2888,
0.3485


513.8316, 0.2996,
0.3396

 64.3924, 0.2864,
0.3505

 141.3043, 0.2925,
0.3455

 46.9686, 0.2835,
0.3529


176.4364, 0.2939,
0.3443

 33.0108, 0.2798,
0.3560


216.9565, 0.2952,
0.3432

 22.1347, 0.2751,
0.3600

263.2490, 0.2963,
0.3423

 13.9559, 0.2688,
0.3653

315.6984, 0.2973,
0.3415

 8.0900, 0.2599,
0.3728


374.6890, 0.2981,


 4.1526, 0.2467,

0.3408

0.3842


440.6053, 0.2989,
0.3402

 1.7593, 0.2249,
0.4037


 0.4616, 0.0000,
0.6028

 85.6667, 0.2888,
0.3485


 85.6667, 0.2888,
0.3485


 82.1914, 0.2792,
0.3586


 89.7263, 0.2992,
0.3393

 79.2616, 0.2707,
0.3695


 94.3858, 0.3100,
0.3309


 76.8505, 0.2636,
0.3810

 96.8602, 0.3129,
0.3243

 74.9244, 0.2582,
0.3931

 73.4457, 0.2547,
0.4054

 72.3711, 0.2533,
0.4179

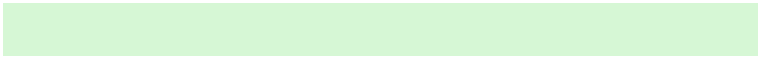
 71.6481, 0.2539,
0.4302

 71.2754, 0.2554,
0.4394

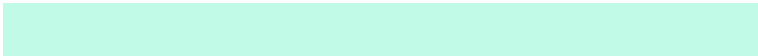
Harmonies

Analogous

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



85.6667, 0.3120, 0.3661



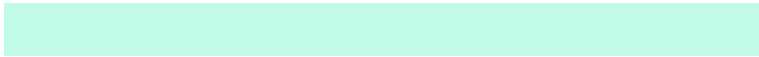
85.6667, 0.2888, 0.3485



85.6667, 0.2723, 0.3256

Triad

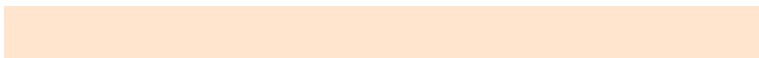
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6667, 0.2888, 0.3485



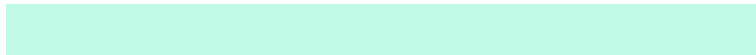
85.6667, 0.2886, 0.2885



85.6667, 0.3613, 0.3504

Complementary

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



85.6667, 0.2888, 0.3485



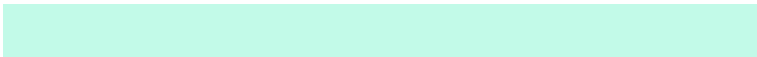
63.6363, 0.3443, 0.3104

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.



85.6667, 0.3547, 0.3301



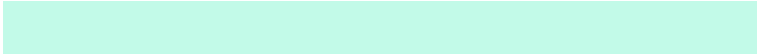
85.6667, 0.2888, 0.3485



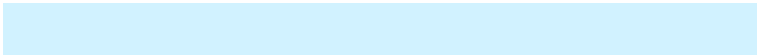
85.6667, 0.3119, 0.2954

Square

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



85.6667, 0.2888, 0.3485



85.6667, 0.2722, 0.2916



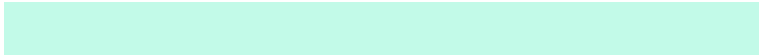
85.6667, 0.3363, 0.3104



85.6667, 0.3543, 0.3662

Rectangle

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



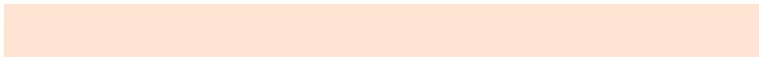
85.6667, 0.2888, 0.3485



85.6667, 0.2671, 0.3111



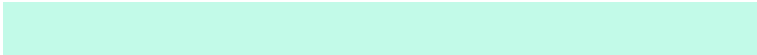
85.6667, 0.3363, 0.3104



85.6667, 0.3606, 0.3439

Sweetspot

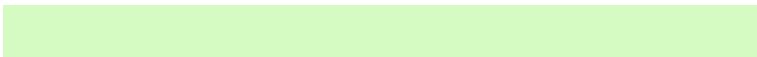
The Sweet Spot groups the original color and five complimentary colors.



85.6702, 0.2888, 0.3485



96.4070, 0.3050, 0.3346



86.3646, 0.3216, 0.3898



20.5720, 0.3044, 0.3351



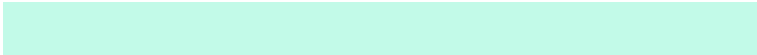
0.0000, 0.0000, 0.0000



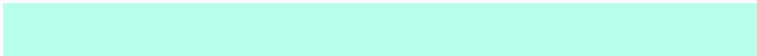
21.4041, 0.3127, 0.3290

Same Dimension

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



85.6702, 0.2888, 0.3485



87.8562, 0.2843, 0.3530



81.0805, 0.2786, 0.3188



19.5083, 0.3023, 0.3367



37.8292, 0.2548, 0.4374



3.5230, 0.2508, 0.4228

Inverse Universe

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



63.6363, 0.3443, 0.3104



61.0068, 0.3527, 0.3063



67.0687, 0.3567, 0.3389



17.3170, 0.3243, 0.3214



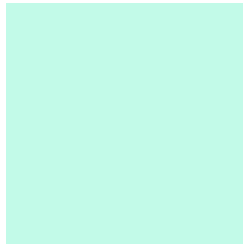
11.1124, 0.5691, 0.2909



1.0477, 0.5356, 0.2724

Previews

White Background



This preview shows how the Yxy color 85.6667, 0.2888, 0.3485 looks on a white background.

Color Contrast Check

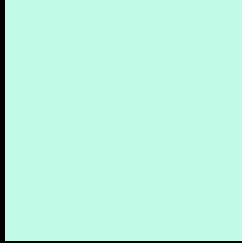
Large Text (above 18pt) WCAG AA × Fail

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 85.6667, 0.2888, 0.3485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

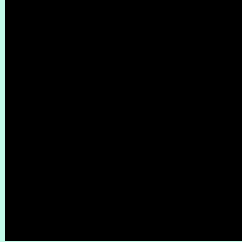
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

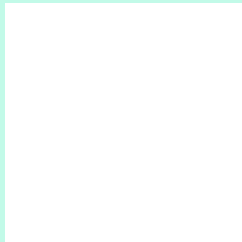
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6667, 0.2888, 0.3485

Background



This preview shows how black text looks on a background with the Yxy color 85.6667, 0.2888, 0.3485.

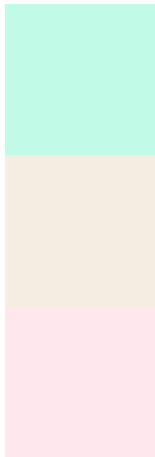


This preview shows how white text looks on a background with the Yxy color 85.6667, 0.2888, 0.3485.

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

85.6667, 0.2888, 0.3485

Protanopia

85.4171, 0.3256, 0.3412

Deuteranopia

85.0877, 0.3252, 0.3241



Tritanopia

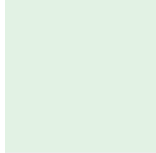
85.1713, 0.2883, 0.3155

Trichromacy



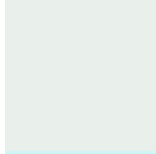
Original Color

85.6667, 0.2888, 0.3485



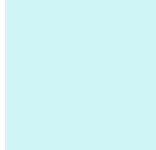
Protanomaly

85.2744, 0.3107, 0.3436



Deuteranomaly

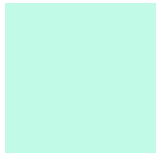
85.0548, 0.3112, 0.3331



Tritanomaly

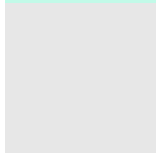
85.2856, 0.2881, 0.3268

Monochromacy



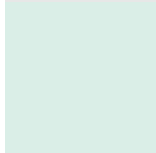
Original Color

85.6667, 0.2888, 0.3485



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.8240, 0.3039, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6667, 0.2888, 0.3485 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(194, 250, 232)` looks like.

```
.text, #text, p{  
    color:rgb(194, 250, 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(194, 250, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 250, 232) }
```

Border

The CSS property to change the border of an element to Yxy 85.6667, 0.2888, 0.3485 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(194, 250, 232) }
```

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

```
.border{ border-color:rgb(194, 250, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 250, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 250, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 250, 232);  
box-shadow:4px 4px 4px 4px rgb(194, 250,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6667, 0.2888, 0.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 250, 232) }
```

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

```
.background{ background-color: rgb(194,  
250, 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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