

Converting Colors

$Yxy(85.9411, 0.2820, 0.3428)$

Have a look what the booklet for
Yxy(85.9411, 0.2820, 0.3428)
contains.

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Color

Yxy(85.8588, 0.2824, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	BCFBEE
RGB	188, 251, 238
RGB Percent	74%, 98%, 93%
CMY	0.2627, 0.0157, 0.0668
CMYK	0.25, 0.00, 0.05, 0.02
HSL	168°, 89%, 86%
HSV	168°, 25%, 98%
XYZ	70.6690, 85.8588, 93.7165
YIQ	230.6810, -33.3750, -17.3990

Conversions

Conversions Part 2

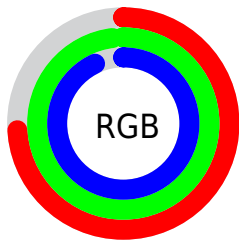
Format	Color
R_{YB}	188, 223, 251
Decimal	12385262
CIE _{Lab}	94.25, -22.26, -0.16
CIE _{LCh}	94, 22.257, 180.402
Yxy	85.8588, 0.2824, 0.3431
Android (android.graphics.Color)	4290575342 (0xFFBCFBEE)
YUV	230.6810, 3.6083, -37.4312
Hunter-Lab	92.6600, -26.0185, 4.8960

Details

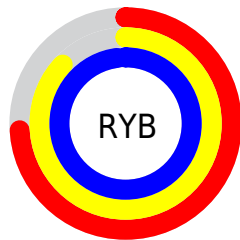
The Yxy color **85.8588, 0.2824, 0.3431** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.7043, 0.3550, 0.3155**, and the grayscale version is **79.6566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **46.9475, 0.2757, 0.3460** is the 20% darker color. If you saturate the color by 10%, you get **82.6457, 0.2718, 0.3496**, and if you desaturate by 10%, it is **89.6421, 0.2940, 0.3371**.

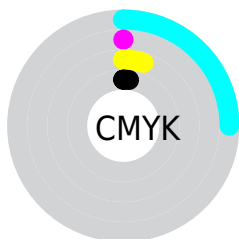
Distribution



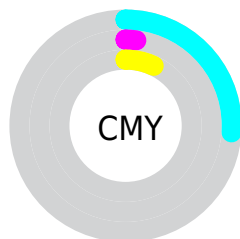
- Red (74%)
- Green (98%)
- Blue (93%)



- Red (74%)
- Yellow (87%)
- Blue (98%)



- Cyan (25%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)





- Cyan (26%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8588, 0.2824, 0.3431 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 85.8588, 0.2824, 0.3431 by changing the saturation by 10% instead.

 85.8588, 0.2824,
0.3431

 85.8588, 0.2824,
0.3431


514.4655, 0.2960,
0.3368

 64.5512, 0.2794,
0.3445


 141.5724, 0.2870,
0.3410

 47.0973, 0.2757,
0.3462


176.7473, 0.2889,
0.3401

 33.1126, 0.2712,
0.3483


217.3133, 0.2904,
0.3394

 22.2127, 0.2653,
0.3510

263.6550, 0.2918,
0.3387

 14.0133, 0.2576,
0.3546

316.1566, 0.2930,
0.3382

 8.1299, 0.2468,
0.3595


375.2027, 0.2941,


 4.1782, 0.2310,


0.3377


0.3669

441.1775, 0.2951,
0.3372

 1.7737, 0.2053,
0.3787


 0.4707, 0.0000,
0.4735


 85.8588, 0.2824,
0.3431


 85.8588, 0.2824,
0.3431


 82.6457, 0.2718,
0.3496


 89.6421, 0.2940,
0.3371


 79.9634, 0.2626,
0.3565


 94.0118, 0.3063,
0.3316

 77.7842, 0.2549,
0.3638

 97.3838, 0.3137,
0.3266


 76.0735, 0.2491,
0.3713

 97.4768, 0.3129,
0.3252

 74.7920, 0.2452,
0.3789

 73.8942, 0.2434,
0.3866

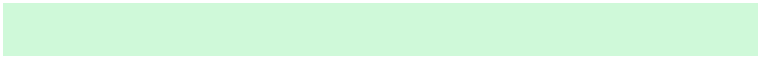
 73.3241, 0.2434,
0.3942

 73.1242, 0.2439,
0.3979

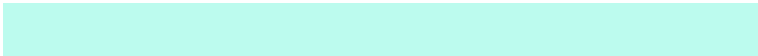
Harmonies

Analogous

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



85.8588, 0.3051, 0.3637



85.8588, 0.2824, 0.3431



85.8588, 0.2680, 0.3191

Triad

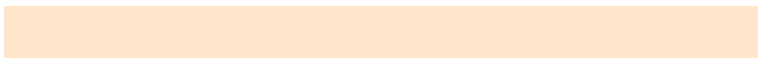
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8588, 0.2824, 0.3431



85.8588, 0.2936, 0.2880



85.8588, 0.3627, 0.3563

Complementary

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



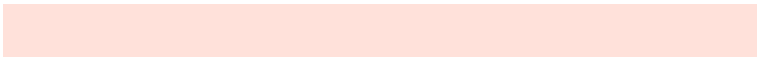
85.8588, 0.2824, 0.3431



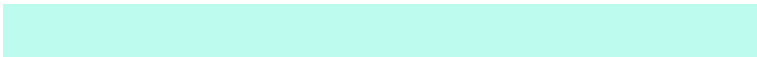
60.7043, 0.3550, 0.3155

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.



85.8588, 0.3596, 0.3359



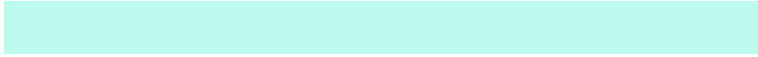
85.8588, 0.2824, 0.3431



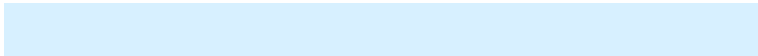
85.8588, 0.3188, 0.2976

Square

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



85.8588, 0.2824, 0.3431



85.8588, 0.2742, 0.2882



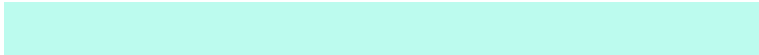
85.8588, 0.3433, 0.3148



85.8588, 0.3518, 0.3705

Rectangle

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



85.8588, 0.2824, 0.3431



85.8588, 0.2647, 0.3050



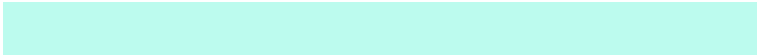
85.8588, 0.3433, 0.3148



85.8588, 0.3632, 0.3499

Sweetspot

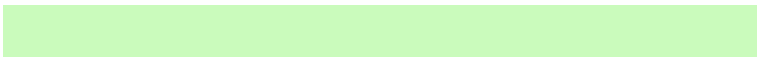
The Sweet Spot groups the original color and five complimentary colors.



85.8623, 0.2824, 0.3431



96.0653, 0.3026, 0.3331



85.1386, 0.3179, 0.3989



20.4133, 0.3008, 0.3340



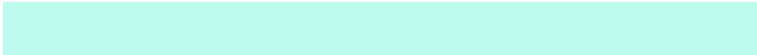
0.0000, 0.0000, 0.0000



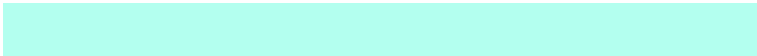
21.4041, 0.3127, 0.3290

Same Dimension

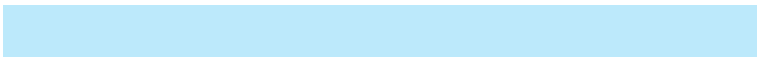
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8623, 0.2824, 0.3431



87.2866, 0.2770, 0.3462



76.0268, 0.2740, 0.3093



19.5435, 0.3008, 0.3339



38.4576, 0.2435, 0.3966



3.5768, 0.2410, 0.3875

Inverse Universe

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



60.7043, 0.3550, 0.3155



57.2098, 0.3663, 0.3126



68.2196, 0.3615, 0.3478



17.2839, 0.3261, 0.3241



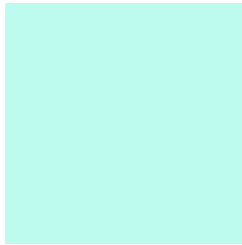
10.9272, 0.6060, 0.3112



1.0266, 0.5742, 0.2937

Previews

White Background



This preview shows how the Yxy color 85.8588, 0.2824, 0.3431 looks on a white background.

Color Contrast Check

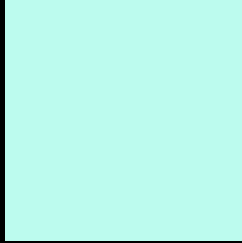
Large Text (above 18pt) WCAG AA × Fail

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 85.8588, 0.2824, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

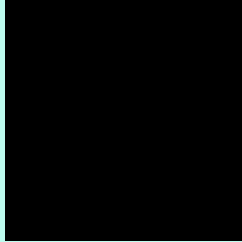
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.8588, 0.2824, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 85.8588, 0.2824, 0.3431.

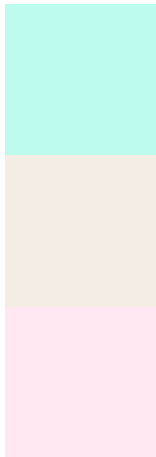


This preview shows how white text looks on a background with the Yxy color 85.8588, 0.2824, 0.3431.

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

85.8588, 0.2824, 0.3431

Protanopia

85.5146, 0.3218, 0.3361

Deuteranopia

85.3241, 0.3227, 0.3202



Tritanopia

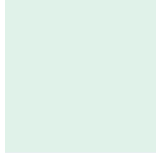
85.4673, 0.2872, 0.3165

Trichromacy



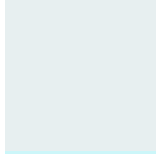
Original Color

85.8588, 0.2824, 0.3431



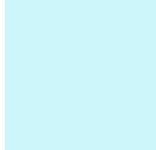
Protanomaly

85.2347, 0.3065, 0.3384



Deuteranomaly

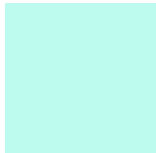
85.0132, 0.3069, 0.3280



Tritanomaly

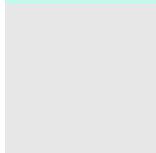
85.5885, 0.2853, 0.3258

Monochromacy



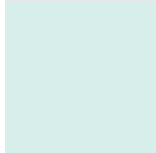
Original Color

85.8588, 0.2824, 0.3431



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.5367, 0.3002, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8588, 0.2824, 0.3431 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(188, 251, 238)` looks like.

```
.text, #text, p{  
    color:rgb(188, 251, 238)  
}
```

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(188, 251, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 251, 238) }
```

Border

The CSS property to change the border of an element to Yxy 85.8588, 0.2824, 0.3431 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(188, 251, 238) }
```

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

```
.border{ border-color:rgb(188, 251, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 251, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 251, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 251, 238);  
box-shadow:4px 4px 4px 4px rgb(188, 251,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8588, 0.2824, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 251, 238) }
```

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

```
.background{ background-color: rgb(188,  
251, 238) }
```

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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