

Converting Colors

$Yxy(84.6931, 0.2856, 0.3500)$

Have a look what the booklet for
Yxy(84.6931, 0.2856, 0.3500)
contains.

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Color

Yxy(84.7055, 0.2854, 0.3499)

Conversions

Conversions Part 1

Format	Color
Hex	BBFAE7
RGB	187, 250, 231
RGB Percent	73%, 98%, 91%
CMY	0.2668, 0.0195, 0.0942
CMYK	0.25, 0.00, 0.08, 0.02
HSL	162°, 86%, 86%
HSV	162°, 25%, 98%
XYZ	69.0910, 84.7055, 88.2884
YIQ	228.9970, -31.4490, -19.2650

Conversions

Conversions Part 2

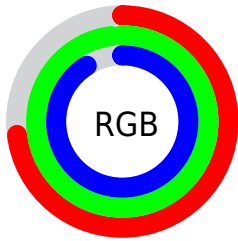
Format	Color
RYB	187, 224, 250
Decimal	12319463
CIELab	93.76, -23.52, 2.74
CIELCh	94, 23.675, 173.366
Yxy	84.7055, 0.2854, 0.3499
Android (android.graphics.Color)	4290509543 (0xFFBBFAE7)
YUV	228.9970, 0.9875, -36.8314
Hunter-Lab	92.0356, -27.0625, 7.5489

Details

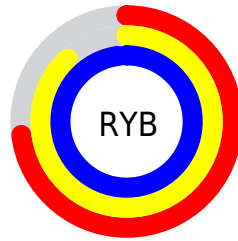
The Yxy color **84.7055, 0.2854, 0.3499** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.3048, 0.3503, 0.3091**, and the grayscale version is **78.3566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **46.1406, 0.2794, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **81.4089, 0.2759, 0.3596**, and if you desaturate by 10%, it is **88.5763, 0.2958, 0.3410**.

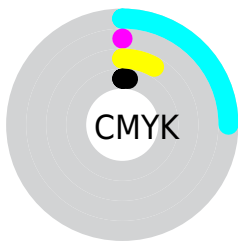
Distribution



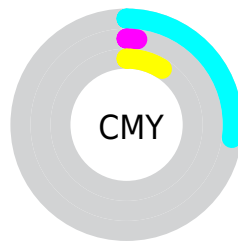
- Red (73%)
- Green (98%)
- Blue (91%)



- Red (73%)
- Yellow (88%)
- Blue (98%)



- Cyan (25%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)





- Cyan (27%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7055, 0.2854, 0.3499 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 84.7055, 0.2854, 0.3499 by changing the saturation by 10% instead.


 84.7055, 0.2854,
0.3499

 84.7055, 0.2854,
0.3499


510.6531, 0.2977,
0.3404

 63.5981, 0.2827,
0.3520

 139.9616, 0.2896,
0.3466

 46.3252, 0.2793,
0.3547


174.8791, 0.2913,
0.3453

 32.5025, 0.2751,
0.3580


215.1688, 0.2927,
0.3442

 21.7456, 0.2697,
0.3622

261.2150, 0.2940,
0.3433

 13.6701, 0.2624,
0.3680

313.4021, 0.2951,
0.3424

 7.8916, 0.2523,
0.3761

372.1146, 0.2961,

 4.0257, 0.2371,

0.3417

437.7368, 0.2969,
0.3410

0.3885

1.6879, 0.2120,
0.4096

0.4158, 0.0000,
0.6139

84.7055, 0.2854,
0.3499

84.7055, 0.2854,
0.3499

81.4089, 0.2759,
0.3596

88.5763, 0.2958,
0.3410

78.6474, 0.2675,
0.3700

93.0376, 0.3068,
0.3329

76.3933, 0.2607,
0.3809

96.7736, 0.3137,
0.3256

74.6120, 0.2557,
0.3923

96.8619, 0.3129,
0.3243

■ 73.2645, 0.2526,
0.4039

■ 72.3054, 0.2516,
0.4155

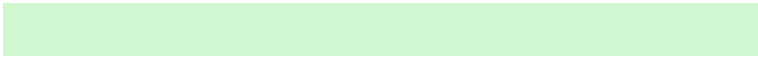
■ 71.6789, 0.2525,
0.4270

■ 71.4580, 0.2535,
0.4325

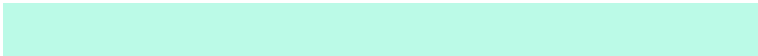
Harmonies

Analogous

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



84.7055, 0.3109, 0.3699



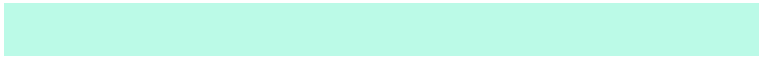
84.7055, 0.2854, 0.3499



84.7055, 0.2676, 0.3242

Triad

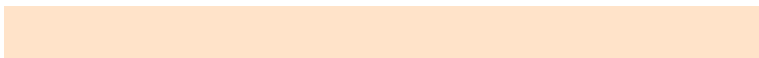
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.7055, 0.2854, 0.3499



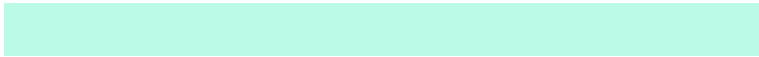
84.7055, 0.2867, 0.2843



84.7055, 0.3667, 0.3532

Complementary

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



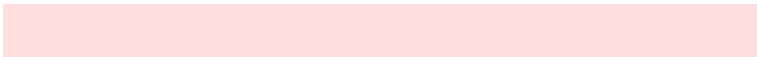
84.7055, 0.2854, 0.3499



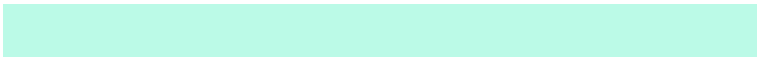
60.3048, 0.3503, 0.3091

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.



84.7055, 0.3599, 0.3309



84.7055, 0.2854, 0.3499



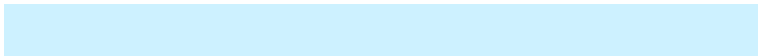
84.7055, 0.3127, 0.2923

Square

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



84.7055, 0.2854, 0.3499



84.7055, 0.2683, 0.2872



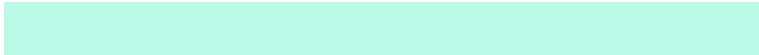
84.7055, 0.3397, 0.3090



84.7055, 0.3584, 0.3706

Rectangle

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



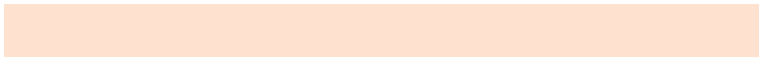
84.7055, 0.2854, 0.3499



84.7055, 0.2621, 0.3082



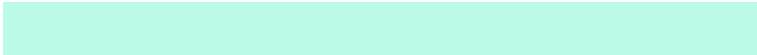
84.7055, 0.3397, 0.3090



84.7055, 0.3661, 0.3461

Sweetspot

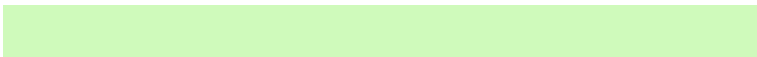
The Sweet Spot groups the original color and five complimentary colors.



84.7090, 0.2854, 0.3499



95.9437, 0.3037, 0.3351



85.2223, 0.3220, 0.3984



20.3825, 0.3020, 0.3363



0.0000, 0.0000, 0.0000



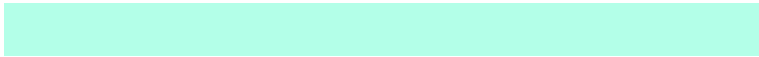
21.4041, 0.3127, 0.3290

Same Dimension

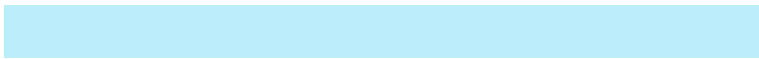
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7090, 0.2854, 0.3499



86.8646, 0.2807, 0.3545



78.8771, 0.2745, 0.3163



19.5141, 0.3021, 0.3363



37.9244, 0.2529, 0.4306



3.5312, 0.2491, 0.4169

Inverse Universe

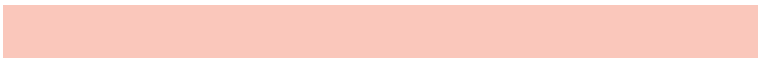
The Inverse Universe completely reimagines the original color for something new.



60.3048, 0.3503, 0.3091



57.5456, 0.3599, 0.3052



64.5377, 0.3634, 0.3413



17.3115, 0.3246, 0.3219



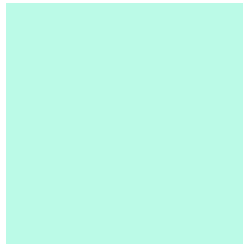
11.0757, 0.5759, 0.2946



1.0437, 0.5423, 0.2761

Previews

White Background



This preview shows how the Yxy color 84.7055, 0.2854, 0.3499 looks on a white background.

Color Contrast Check

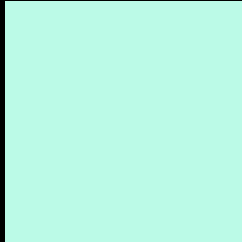
Large Text (above 18pt) WCAG AA × Fail

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 84.7055, 0.2854, 0.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

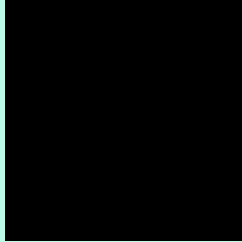
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

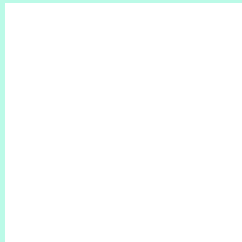
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7055, 0.2854, 0.3499

Background



This preview shows how black text looks on a background with the Yxy color 84.7055, 0.2854, 0.3499.

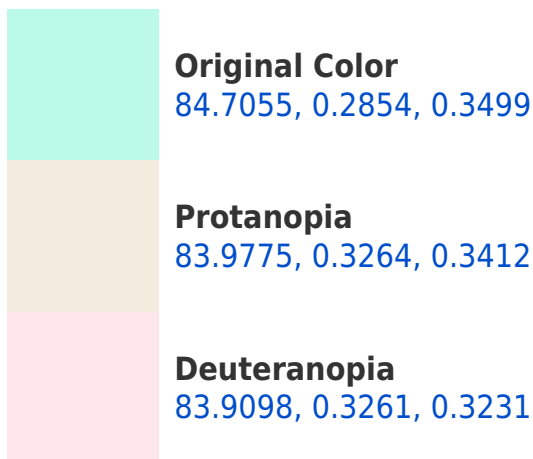


This preview shows how white text looks on a background with the Yxy color 84.7055, 0.2854, 0.3499.

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

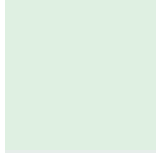
84.4259, 0.2853, 0.3154

Trichromacy



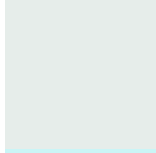
Original Color

84.7055, 0.2854, 0.3499



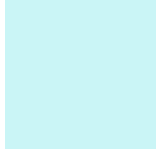
Protanomaly

83.4991, 0.3101, 0.3437



Deuteranomaly

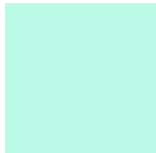
83.3319, 0.3099, 0.3321



Tritanomaly

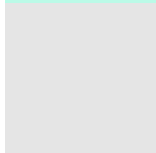
84.5152, 0.2857, 0.3279

Monochromacy



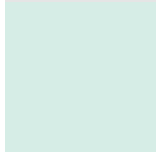
Original Color

84.7055, 0.2854, 0.3499



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5777, 0.3019, 0.3365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7055, 0.2854, 0.3499 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(187, 250, 231)` looks like.

```
.text, #text, p{  
    color:rgb(187, 250, 231)  
}
```

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(187, 250, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 250, 231) }
```

Border

The CSS property to change the border of an element to Yxy 84.7055, 0.2854, 0.3499 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(187, 250, 231) }
```

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

```
.border{ border-color:rgb(187, 250, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 250, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 250, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 250, 231);  
box-shadow:4px 4px 4px 4px rgb(187, 250,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7055, 0.2854, 0.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 250, 231) }
```

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

```
.background{ background-color: rgb(187,  
250, 231) }
```

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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