

Converting Colors

$Yxy(84.6788, 0.2850, 0.3473)$

Have a look what the booklet for
Yxy(84.6788, 0.2850, 0.3473)
contains.

Yxy(84.9458, 0.2849, 0.3476)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.9458, 0.2849, 0.3476)

Conversions

Conversions Part 1

Format	Color
Hex	BCFAE9
RGB	188, 250, 233
RGB Percent	74%, 98%, 91%
CMY	0.2629, 0.0195, 0.0863
CMYK	0.25, 0.00, 0.07, 0.02
HSL	164°, 86%, 86%
HSV	164°, 25%, 98%
XYZ	69.6233, 84.9458, 89.8089
YIQ	229.5240, -31.4950, -18.4310

Conversions

Conversions Part 2

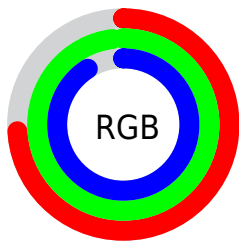
Format	Color
RYB	188, 224, 250
Decimal	12385001
CIELab	93.86, -22.81, 1.85
CIELCh	94, 22.886, 175.365
Yxy	84.9458, 0.2849, 0.3476
Android (android.graphics.Color)	4290575081 (0xFFBCFAE9)
YUV	229.5240, 1.7137, -36.4165
Hunter-Lab	92.1660, -26.4496, 6.7426

Details

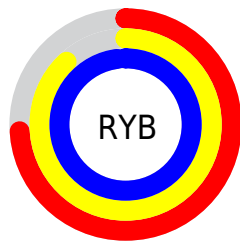
The Yxy color **84.9458, 0.2849, 0.3476** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.6824, 0.3510, 0.3113**, and the grayscale version is **78.7609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **46.3008, 0.2788, 0.3519** is the 20% darker color. If you saturate the color by 10%, you get **81.6608, 0.2750, 0.3563**, and if you desaturate by 10%, it is **88.8030, 0.2957, 0.3396**.

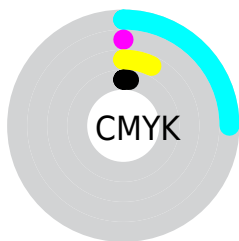
Distribution



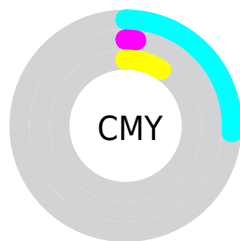
- Red (74%)
- Green (98%)
- Blue (91%)



- Red (74%)
- Yellow (88%)
- Blue (98%)



- Cyan (25%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)




- Cyan (26%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.9458, 0.2849, 0.3476 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 84.9458, 0.2849, 0.3476 by changing the saturation by 10% instead.


 84.9458, 0.2849,
0.3476

 84.9458, 0.2849,
0.3476


511.4487, 0.2974,
0.3392

 63.7966, 0.2821,
0.3495

 140.2974, 0.2892,
0.3447

 46.4860, 0.2787,
0.3518

175.2687, 0.2909,
0.3436

 32.6295, 0.2744,
0.3547


215.6161, 0.2923,
0.3426

 21.8427, 0.2690,
0.3584

261.7239, 0.2936,
0.3417

 13.7414, 0.2617,
0.3635

313.9768, 0.2947,
0.3410

 7.9410, 0.2515,
0.3705

372.7589, 0.2957,

 4.0572, 0.2363,

0.3403

438.4548, 0.2966,
0.3397

0.3812

1.7056, 0.2113,
0.3992

0.4273, 0.0000,
0.5598

84.9458, 0.2849,
0.3476

84.9458, 0.2849,
0.3476

81.6608, 0.2750,
0.3563

88.8030, 0.2957,
0.3396

78.9089, 0.2664,
0.3657

93.2484, 0.3071,
0.3323

76.6626, 0.2593,
0.3755

96.7686, 0.3138,
0.3256

74.8876, 0.2539,
0.3857

96.8605, 0.3129,
0.3243

■ 73.5451, 0.2505,
0.3962

■ 72.5902, 0.2492,
0.4066

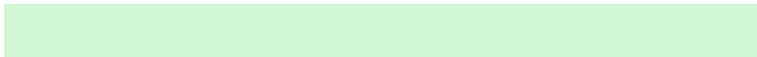
■ 71.9676, 0.2498,
0.4170

■ 71.7343, 0.2506,
0.4223

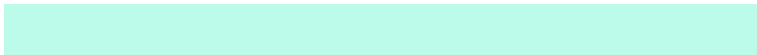
Harmonies

Analogous

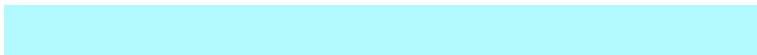
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9458, 0.3093, 0.3675



84.9458, 0.2849, 0.3476



84.9458, 0.2683, 0.3228

Triad

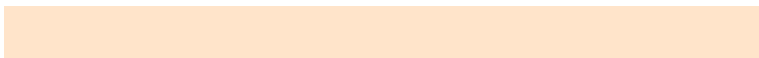
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.9458, 0.2849, 0.3476



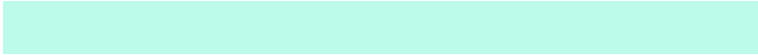
84.9458, 0.2891, 0.2860



84.9458, 0.3648, 0.3538

Complementary

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



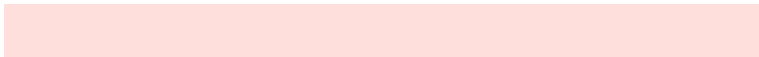
84.9458, 0.2849, 0.3476



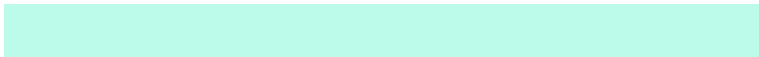
60.6824, 0.3510, 0.3113

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.



84.9458, 0.3591, 0.3324



84.9458, 0.2849, 0.3476



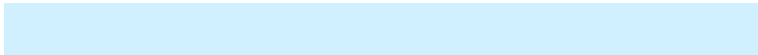
84.9458, 0.3145, 0.2943

Square

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



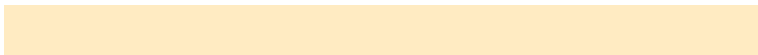
84.9458, 0.2849, 0.3476



84.9458, 0.2706, 0.2881



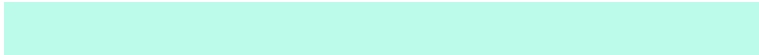
84.9458, 0.3404, 0.3110



84.9458, 0.3558, 0.3700

Rectangle

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



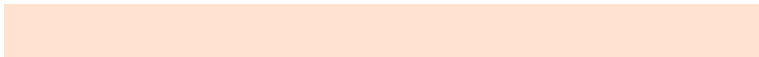
84.9458, 0.2849, 0.3476



84.9458, 0.2635, 0.3076



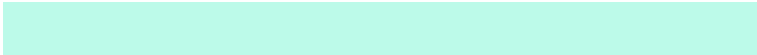
84.9458, 0.3404, 0.3110



84.9458, 0.3645, 0.3470

Sweetspot

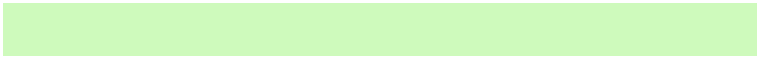
The Sweet Spot groups the original color and five complimentary colors.



84.9493, 0.2849, 0.3476



96.4590, 0.3045, 0.3338



85.0658, 0.3205, 0.3975



20.5840, 0.3039, 0.3342



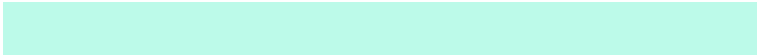
0.0000, 0.0000, 0.0000



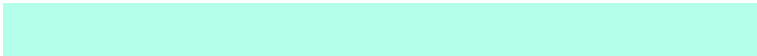
21.4041, 0.3127, 0.3290

Same Dimension

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



84.9493, 0.2849, 0.3476



86.9855, 0.2796, 0.3521



77.9085, 0.2748, 0.3142



19.5226, 0.3017, 0.3356



38.0705, 0.2502, 0.4206



3.5438, 0.2467, 0.4083

Inverse Universe

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



60.6824, 0.3510, 0.3113



57.4463, 0.3618, 0.3073



65.9178, 0.3619, 0.3433



17.3034, 0.3251, 0.3225



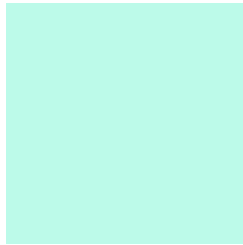
11.0263, 0.5855, 0.2999



1.0383, 0.5519, 0.2814

Previews

White Background



This preview shows how the Yxy color 84.9458, 0.2849, 0.3476 looks on a white background.

Color Contrast Check

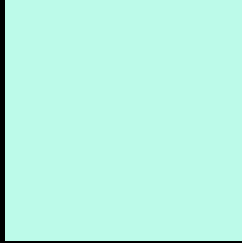
Large Text (above 18pt) WCAG AA × Fail

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 84.9458, 0.2849, 0.3476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

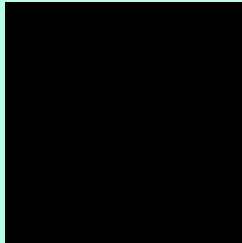
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

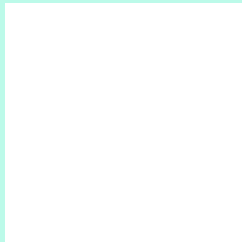
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9458, 0.2849, 0.3476

Background



This preview shows how black text looks on a background with the Yxy color 84.9458, 0.2849, 0.3476.

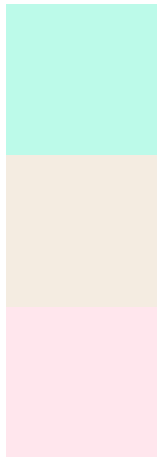


This preview shows how white text looks on a background with the Yxy color 84.9458, 0.2849, 0.3476.

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

84.9458, 0.2849, 0.3476

Protanopia

84.6602, 0.3251, 0.3402

Deuteranopia

83.9681, 0.3254, 0.3222



Tritanopia

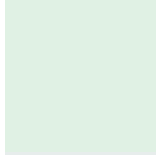
84.5731, 0.2859, 0.3154

Trichromacy



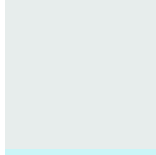
Original Color

84.9458, 0.2849, 0.3476



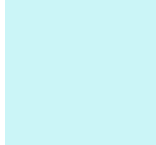
Protanomaly

84.3593, 0.3095, 0.3426



Deuteranomaly

83.6134, 0.3094, 0.3300



Tritanomaly

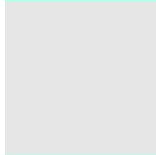
84.7167, 0.2857, 0.3268

Monochromacy



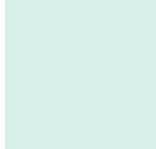
Original Color

84.9458, 0.2849, 0.3476



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.7850, 0.3019, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9458, 0.2849, 0.3476 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, 250, 233)` looks like.

```
.text, #text, p{  
    color:rgb(188, 250, 233)  
}
```

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, 250, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 250, 233) }
```

Border

The CSS property to change the border of an element to Yxy 84.9458, 0.2849, 0.3476 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, 250, 233) }
```

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

```
.border{ border-color:rgb(188, 250, 233) }
```

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

Here you see how a box with a 4 pixel rgb(188, 250, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 250, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 250, 233);  
box-shadow:4px 4px 4px 4px rgb(188, 250,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9458, 0.2849, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 250, 233) }
```

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

```
.background{ background-color: rgb(188,  
250, 233) }
```

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