

# Converting Colors

Yxy(84.2701, 0.2873, 0.3516)

Have a look what the booklet for  
Yxy(84.2701, 0.2873, 0.3516)  
contains.

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# Color

**Yxy(84.0999, 0.2870, 0.3510)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCF9E5
RGB	188, 249, 229
RGB Percent	74%, 98%, 90%
CMY	0.2626, 0.0235, 0.1020
CMYK	0.24, 0.00, 0.08, 0.02
HSL	160°, 84%, 86%
HSV	160°, 24%, 98%
XYZ	68.7654, 84.0999, 86.7355
YIQ	228.4810, -29.9360, -19.1520

# Conversions

## Conversions Part 2

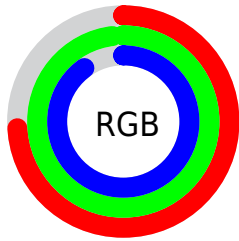
Format	Color
R <sub>Y</sub> B	188, 224, 249
Decimal	12384741
CIE Lab	93.49, -23.09, 3.38
CIE LCh	93, 23.340, 171.666
Yxy	84.0999, 0.2870, 0.3510
Android (android.graphics.Color)	4290574821 (0xFFBCF9E5)
YUV	228.4810, 0.2559, -35.5018
Hunter-Lab	91.7060, -26.6378, 8.1177

# Details

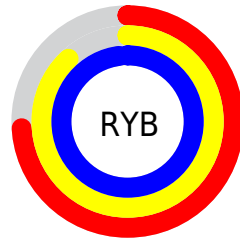
The Yxy color **84.0999, 0.2870, 0.3510** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.6817, 0.3476, 0.3081**, and the grayscale version is **77.9764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **45.7418, 0.2806, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **80.7624, 0.2777, 0.3615**, and if you desaturate by 10%, it is **88.0114, 0.2971, 0.3414**.

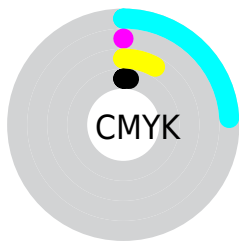
# Distribution



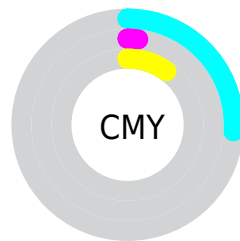
- Red (74%)
- Green (98%)
- Blue (90%)



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



- Cyan (24%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)




- Cyan (26%)
- Magenta (2%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0999, 0.2870, 0.3510 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 84.0999, 0.2870, 0.3510 by changing the saturation by 10% instead.




 84.0999, 0.2870,  
0.3510

 84.0999, 0.2870,  
0.3510


508.6449, 0.2987,  
0.3410

 63.0979, 0.2844,  
0.3533


 139.1149, 0.2910,  
0.3475

 45.9204, 0.2812,  
0.3561


173.8967, 0.2926,  
0.3462

 32.1830, 0.2772,  
0.3596


214.0406, 0.2939,  
0.3450

 21.5013, 0.2721,  
0.3641

259.9310, 0.2951,  
0.3440

 13.4910, 0.2652,  
0.3703

311.9522, 0.2961,  
0.3431

 7.7675, 0.2555,  
0.3790

370.4887, 0.2971,

 3.9465, 0.2409,

0.3423

435.9248, 0.2979,  
0.3416

0.3924

1.6437, 0.2164,  
0.4155

0.3868, 0.0000,  
0.6769

84.0999, 0.2870,  
0.3510

84.0999, 0.2870,  
0.3510

80.7624, 0.2777,  
0.3615

88.0114, 0.2971,  
0.3414

77.9603, 0.2695,  
0.3728

92.5127, 0.3078,  
0.3326

75.6660, 0.2628,  
0.3847

96.1332, 0.3139,  
0.3247

73.8458, 0.2578,  
0.3972

96.2289, 0.3130,  
0.3233

■ 72.4613, 0.2548,  
0.4099

■ 71.4681, 0.2539,  
0.4226

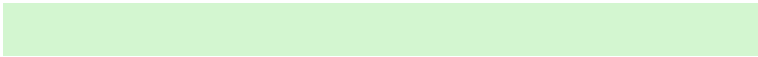
■ 70.8118, 0.2549,  
0.4352

■ 70.5502, 0.2561,  
0.4421

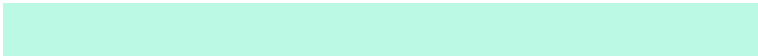
# Harmonies

## Analogous

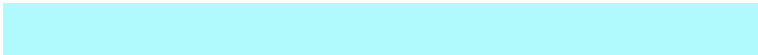
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0999, 0.3125, 0.3702



84.0999, 0.2870, 0.3510



84.0999, 0.2688, 0.3257

# Triad

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



84.0999, 0.2870, 0.3510



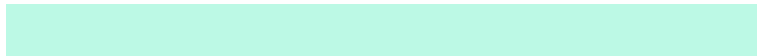
84.0999, 0.2857, 0.2847



84.0999, 0.3661, 0.3518

# Complementary

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



84.0999, 0.2870, 0.3510



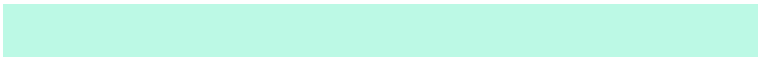
60.6817, 0.3476, 0.3081

# 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.



84.0999, 0.3585, 0.3296



84.0999, 0.2870, 0.3510



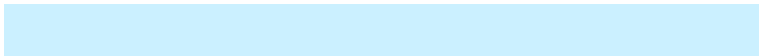
84.0999, 0.3111, 0.2920

# Square

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



84.0999, 0.2870, 0.3510



84.0999, 0.2681, 0.2882



84.0999, 0.3380, 0.3081

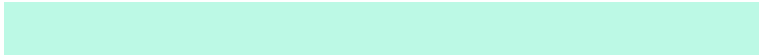


84.0999, 0.3587, 0.3694



# Rectangle

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



84.0999, 0.2870, 0.3510



84.0999, 0.2629, 0.3097



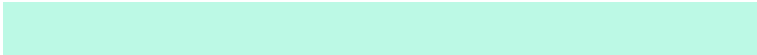
84.0999, 0.3380, 0.3081



84.0999, 0.3652, 0.3446

# Sweetspot

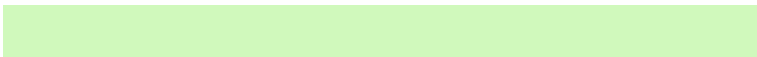
The Sweet Spot groups the original color and five complimentary colors.



84.1034, 0.2870, 0.3510



96.3989, 0.3051, 0.3348



84.8444, 0.3224, 0.3960



20.5701, 0.3044, 0.3353



0.0000, 0.0000, 0.0000

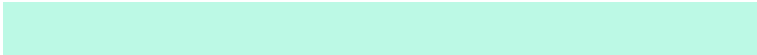


21.4041, 0.3127, 0.3290

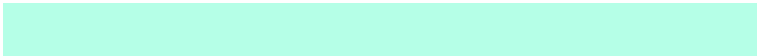


# Same Dimension

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



84.1034, 0.2870, 0.3510



87.1045, 0.2826, 0.3557



79.1747, 0.2756, 0.3178



19.5061, 0.3024, 0.3369



37.7931, 0.2556, 0.4400



3.5198, 0.2514, 0.4251



# Inverse Universe

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



60.6817, 0.3476, 0.3081



58.7510, 0.3562, 0.3040



64.2538, 0.3618, 0.3399



17.3191, 0.3242, 0.3212



11.1273, 0.5664, 0.2894

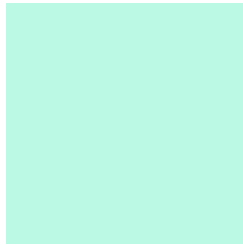


1.0492, 0.5330, 0.2710



# Previews

## White Background



This preview shows how the Yxy color 84.0999, 0.2870, 0.3510 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

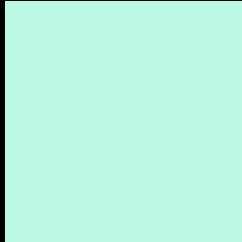
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.0999, 0.2870, 0.3510 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

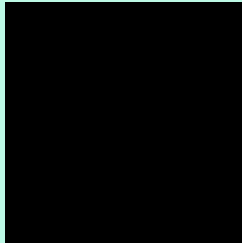
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

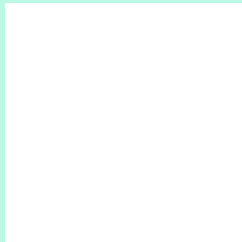
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.0999, 0.2870, 0.3510**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.0999, 0.2870, 0.3510.

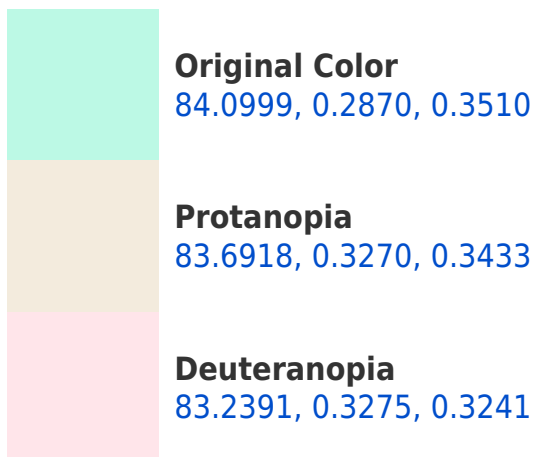


This preview shows how white text looks on a background with the Yxy color 84.0999, 0.2870, 0.3510.

# 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

83.6859, 0.2847, 0.3143

# Trichromacy



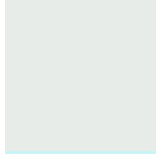
## Original Color

84.0999, 0.2870, 0.3510



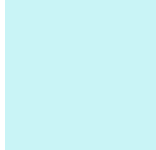
## Protanomaly

83.3900, 0.3113, 0.3459



## Deuteranomaly

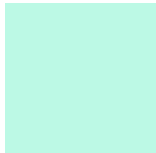
82.8060, 0.3119, 0.3331



## Tritanomaly

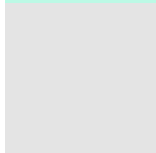
83.7727, 0.2850, 0.3268

# Monochromacy



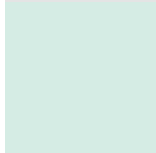
## Original Color

84.0999, 0.2870, 0.3510



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

79.7385, 0.3025, 0.3376

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.0999, 0.2870, 0.3510 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, 249, 229)` looks like.

```
.text, #text, p{  
    color:rgb(188, 249, 229)  
}
```

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, 249, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 249, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 84.0999, 0.2870, 0.3510 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, 249, 229) }
```

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

```
.border{ border-color:rgb(188, 249, 229) }
```

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

Here you see how a box with a 4 pixel rgb(188, 249, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 249, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 249, 229);  
box-shadow:4px 4px 4px 4px rgb(188, 249,  
229) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.0999, 0.2870, 0.3510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 249, 229) }
```

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

```
.background{ background-color: rgb(188,  
249, 229) }
```

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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