

# Converting Colors

$Yxy(82.6729, 0.2957, 0.3719)$

Have a look what the booklet for  
Yxy(82.6729, 0.2957, 0.3719)  
contains.

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# Color

**Yxy(82.8936, 0.2955, 0.3718)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAF9D3
RGB	186, 249, 211
RGB Percent	73%, 98%, 83%
CMY	0.2707, 0.0235, 0.1724
CMYK	0.25, 0.00, 0.15, 0.02
HSL	144°, 84%, 85%
HSV	144°, 25%, 98%
XYZ	65.8824, 82.8936, 74.1762
YIQ	225.8310, -25.3500, -25.1740

# Conversions

## Conversions Part 2

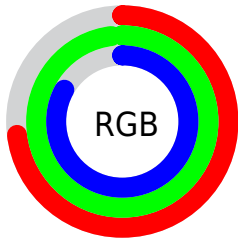
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 231, 249
Decimal	12253651
CIELab	92.97, -27.19, 11.89
CIElCh	93, 29.677, 156.371
Yxy	82.8936, 0.2955, 0.3718
Android (android.graphics.Color)	4290443731 (0xFFBAF9D3)
YUV	225.8310, -7.3117, -34.9318
Hunter-Lab	91.0459, -30.1648, 15.4279

# Details

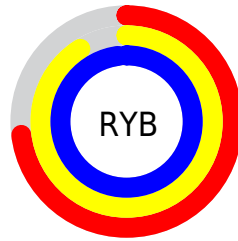
The Yxy color **82.8936, 0.2955, 0.3718** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.6295, 0.3350, 0.2898**, and the grayscale version is **75.9929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **44.9249, 0.2913, 0.3825** is the 20% darker color. If you saturate the color by 10%, you get **79.3279, 0.2894, 0.3920**, and if you desaturate by 10%, it is **87.0799, 0.3021, 0.3534**.

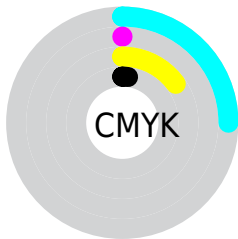
# Distribution



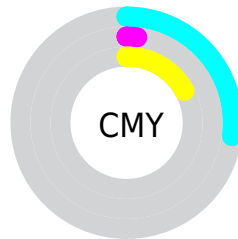
- Red (73%)
- Green (98%)
- Blue (83%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (15%)
- Black (2%)




- Cyan (27%)
- Magenta (2%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8936, 0.2955, 0.3718 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 82.8936, 0.2955, 0.3718 by changing the saturation by 10% instead.




 82.8936, 0.2955,  
0.3718

 82.8936, 0.2955,  
0.3718

504.6318, 0.3036,  
0.3518

 62.1024, 0.2936,  
0.3764


 137.4264, 0.2983,  
0.3648

 45.1154, 0.2913,  
0.3821


171.9368, 0.2994,  
0.3621

 31.5484, 0.2883,  
0.3894


211.7891, 0.3004,  
0.3598

 21.0168, 0.2844,  
0.3990

257.3676, 0.3012,  
0.3578

 13.1363, 0.2790,  
0.4121

309.0567, 0.3019,  
0.3560

 7.5224, 0.2710,  
0.4312

367.2409, 0.3025,


 3.7909, 0.2583,


0.3545


0.4616


432.3044, 0.3031,  
0.3531


 1.5573, 0.2344,  
0.5209


 0.3286, 0.0000,  
1.0000


 82.8936, 0.2955,  
0.3718

 82.8936, 0.2955,  
0.3718


 79.3279, 0.2894,  
0.3920


 87.0799, 0.3021,  
0.3534


 76.3422, 0.2841,  
0.4139


 91.9043, 0.3090,  
0.3370

 73.9073, 0.2800,  
0.4370

 96.2357, 0.3130,  
0.3233

 71.9872, 0.2774,  
0.4608

 70.5411, 0.2766,  
0.4844

 69.5221, 0.2777,  
0.5071

 68.8724, 0.2807,  
0.5277

 68.6562, 0.2824,  
0.5367

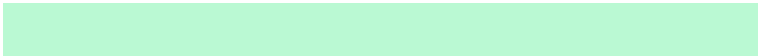
# Harmonies

## Analogous

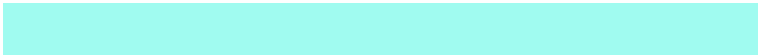
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8936, 0.3296, 0.3889



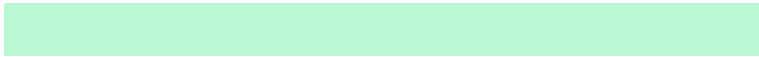
82.8936, 0.2955, 0.3718



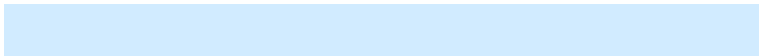
82.8936, 0.2671, 0.3414

# Triad

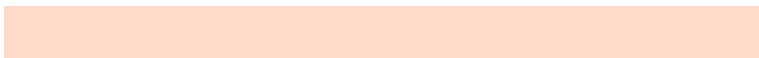
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8936, 0.2955, 0.3718



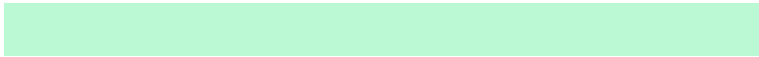
82.8936, 0.2654, 0.2735



82.8936, 0.3786, 0.3432

# Complementary

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



82.8936, 0.2955, 0.3718



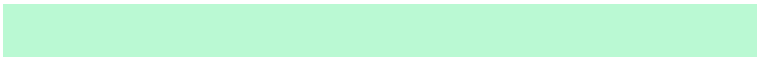
60.6295, 0.3350, 0.2898

# 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.



82.8936, 0.3595, 0.3151



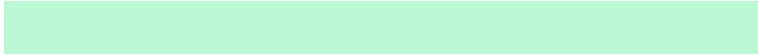
82.8936, 0.2955, 0.3718



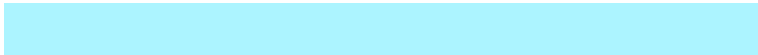
82.8936, 0.2931, 0.2762

# Square

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



82.8936, 0.2955, 0.3718



82.8936, 0.2505, 0.2846



82.8936, 0.3277, 0.2912

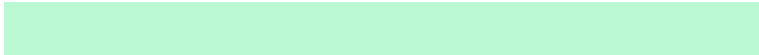


82.8936, 0.3786, 0.3696



# Rectangle

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



82.8936, 0.2955, 0.3718



82.8936, 0.2548, 0.3192



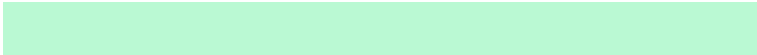
82.8936, 0.3277, 0.2912



82.8936, 0.3742, 0.3337

# Sweetspot

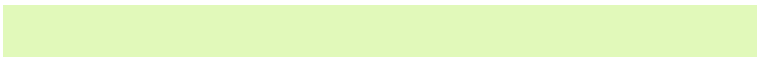
The Sweet Spot groups the original color and five complimentary colors.



82.8971, 0.2955, 0.3718



95.5677, 0.3072, 0.3412



87.2829, 0.3345, 0.3960



20.2878, 0.3061, 0.3437



0.0000, 0.0000, 0.0000

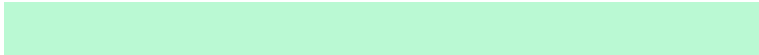


21.4041, 0.3127, 0.3290

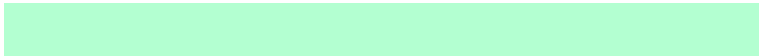


# Same Dimension

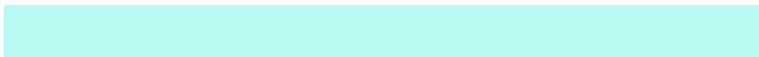
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8971, 0.2955, 0.3718



85.6432, 0.2925, 0.3811



84.5823, 0.2792, 0.3369



19.4235, 0.3061, 0.3436



36.7744, 0.2816, 0.5336



3.4262, 0.2750, 0.5099



# Inverse Universe

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



60.6295, 0.3350, 0.2898



58.7141, 0.3403, 0.2822



59.1154, 0.3603, 0.3213



17.4009, 0.3199, 0.3148



11.9884, 0.4532, 0.2271

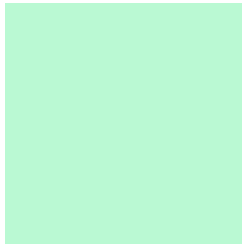


1.1312, 0.4331, 0.2159



# Previews

## White Background



This preview shows how the Yxy color 82.8936, 0.2955, 0.3718 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

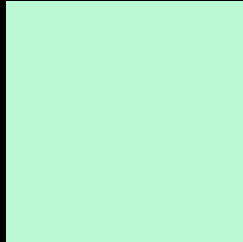
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.8936, 0.2955, 0.3718 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

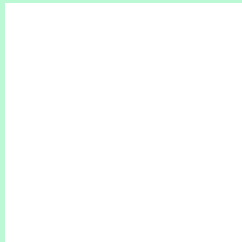
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.8936, 0.2955, 0.3718**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.8936, 0.2955, 0.3718.

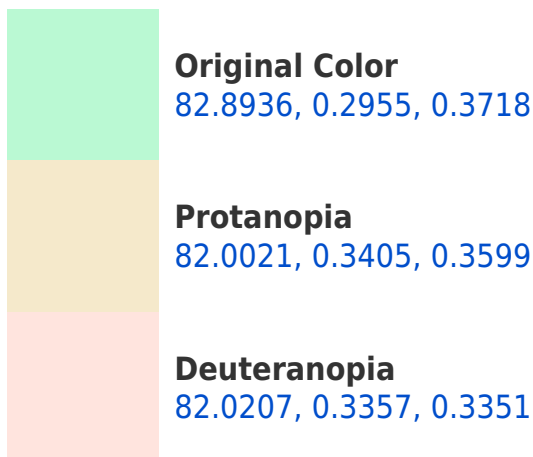


This preview shows how white text looks on a background with the Yxy color 82.8936, 0.2955, 0.3718.

# 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

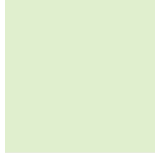
82.6620, 0.2829, 0.3132

# Trichromacy



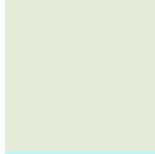
## Original Color

82.8936, 0.2955, 0.3718



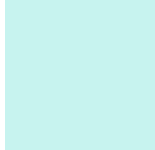
## Protanomaly

82.0365, 0.3231, 0.3643



## Deuteranomaly

81.8759, 0.3199, 0.3479



## Tritanomaly

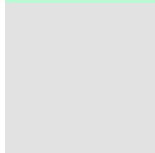
82.4753, 0.2876, 0.3332

# Monochromacy



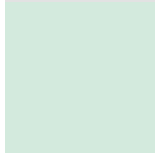
## Original Color

82.8936, 0.2955, 0.3718



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

77.9150, 0.3054, 0.3432

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.8936, 0.2955, 0.3718 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(186, 249, 211)` looks like.

```
.text, #text, p{  
    color:rgb(186, 249, 211)  
}
```

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(186, 249, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 249, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 82.8936, 0.2955, 0.3718 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(186, 249, 211) }
```

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

```
.border{ border-color:rgb(186, 249, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 249, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 249, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 249, 211);  
box-shadow:4px 4px 4px 4px rgb(186, 249,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.8936, 0.2955, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 249, 211) }
```

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

```
.background{ background-color: rgb(186,  
249, 211) }
```

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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