

Converting Colors

$Yxy(85.5110, 0.2923, 0.3636)$

Have a look what the booklet for
Yxy(85.5110, 0.2923, 0.3636)
contains.

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Color

Yxy(85.6069, 0.2925, 0.3644)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | BDFCDC |
| RGB | 189, 252, 220 |
| RGB Percent | 74%, 99%, 86% |
| CMY | 0.2588, 0.0118, 0.1373 |
| CMYK | 0.25, 0.00, 0.13, 0.01 |
| HSL | 150°, 91%, 86% |
| HSV | 150°, 25%, 99% |
| XYZ | 68.7157, 85.6069, 80.6030 |
| YIQ | 229.5150, -27.2760, -23.3080 |

Conversions

Conversions Part 2

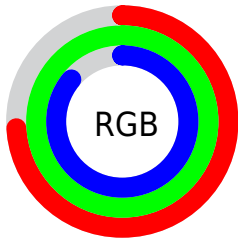
| Format | Color |
|-------------------------------------|--|
| RYB | 189, 231, 252 |
| Decimal | 12451036 |
| CIELab | 94.14, -26.00, 8.98 |
| CIElCh | 94, 27.511, 160.947 |
| Yxy | 85.6069, 0.2925, 0.3644 |
| Android (android.graphics.Color) | 4290641116 (0xFFBDFCDC) |
| YUV | 229.5150, -4.6909, -35.5317 |
| Hunter-Lab | 92.5240, -29.3486, 13.1159 |

Details

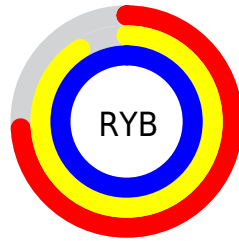
The Yxy color **85.6069, 0.2925, 0.3644** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.3195, 0.3393, 0.2962**, and the grayscale version is **78.8073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **46.8152, 0.2875, 0.3725** is the 20% darker color. If you saturate the color by 10%, you get **82.0097, 0.2853, 0.3812**, and if you desaturate by 10%, it is **89.8232, 0.3004, 0.3491**.

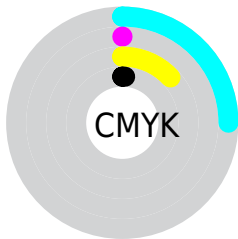
Distribution



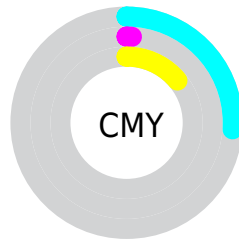
- Red (74%)
- Green (99%)
- Blue (86%)



- Red (74%)
- Yellow (91%)
- Blue (99%)



- Cyan (25%)
- Magenta (0%)
- Yellow (13%)
- Black (1%)




- Cyan (26%)
- Magenta (1%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.6069, 0.2925, 0.3644 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 85.6069, 0.2925, 0.3644 by changing the saturation by 10% instead.

 85.6069, 0.2925,
0.3644

 85.6069, 0.2925,
0.3644


513.6341, 0.3018,
0.3481

 64.3430, 0.2904,
0.3681


 141.2208, 0.2957,
0.3587

 46.9285, 0.2878,
0.3727


176.3395, 0.2970,
0.3565

 32.9791, 0.2845,
0.3786


216.8454, 0.2980,
0.3546

 22.1105, 0.2802,
0.3862

263.1226, 0.2990,
0.3530

 13.9381, 0.2745,
0.3965

315.5557, 0.2998,
0.3515

 8.0776, 0.2662,
0.4114

374.5291, 0.3006,

 4.1447, 0.2535,

0.3502

0.4346

440.4271, 0.3012,
0.3491

■ 1.7548, 0.2313,
0.4756

■ 0.4588, 0.0000,
1.0000

■ 85.6069, 0.2925,
0.3644

■ 85.6069, 0.2925,
0.3644

■ 82.0097, 0.2853,
0.3812

■ 89.8232, 0.3004,
0.3491

■ 78.9906, 0.2790,
0.3994

■ 94.6758, 0.3086,
0.3353

■ 76.5207, 0.2740,
0.4187

■ 98.1031, 0.3128,
0.3262

■ 74.5636, 0.2706,
0.4388

■ 73.0788, 0.2692,
0.4590

■ 72.0190, 0.2698,
0.4789

■ 71.3264, 0.2723,
0.4978

■ 71.0763, 0.2741,
0.5068

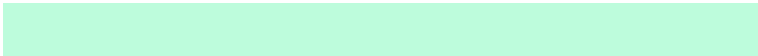
Harmonies

Analogous

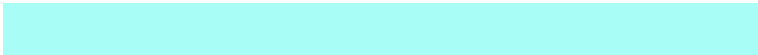
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6069, 0.3236, 0.3824



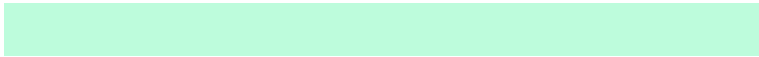
85.6069, 0.2925, 0.3644



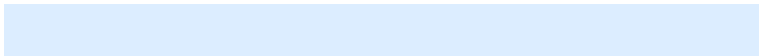
85.6069, 0.2677, 0.3357

Triad

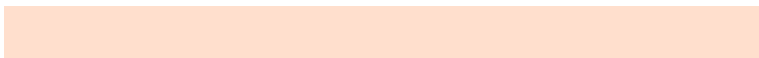
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6069, 0.2925, 0.3644



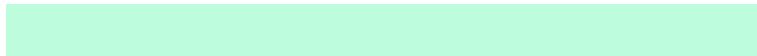
85.6069, 0.2725, 0.2774



85.6069, 0.3742, 0.3463

Complementary

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



85.6069, 0.2925, 0.3644



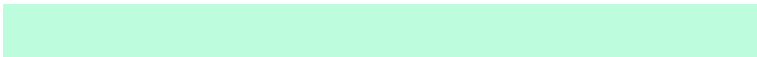
62.3195, 0.3393, 0.2962

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.



85.6069, 0.3592, 0.3202



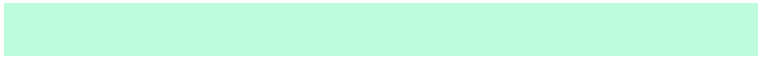
85.6069, 0.2925, 0.3644



85.6069, 0.2994, 0.2817

Square

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



85.6069, 0.2925, 0.3644



85.6069, 0.2566, 0.2859



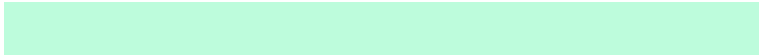
85.6069, 0.3314, 0.2971



85.6069, 0.3716, 0.3696

Rectangle

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



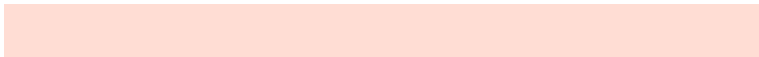
85.6069, 0.2925, 0.3644



85.6069, 0.2576, 0.3158



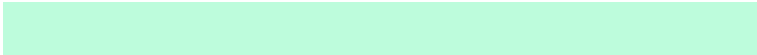
85.6069, 0.3314, 0.2971



85.6069, 0.3711, 0.3376

Sweetspot

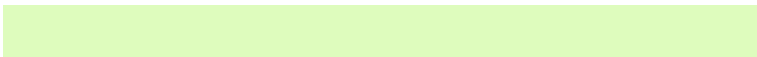
The Sweet Spot groups the original color and five complimentary colors.



85.6105, 0.2925, 0.3644



96.1997, 0.3069, 0.3380



88.7579, 0.3301, 0.3960



20.5239, 0.3064, 0.3388



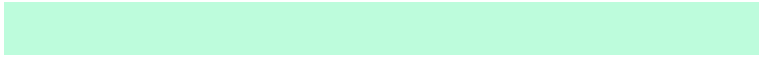
0.0000, 0.0000, 0.0000



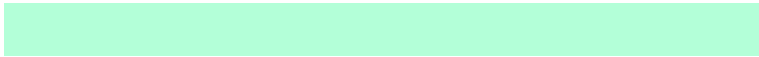
21.4041, 0.3127, 0.3290

Same Dimension

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



85.6105, 0.2925, 0.3644



86.0082, 0.2888, 0.3727



87.4059, 0.2764, 0.3300



19.4515, 0.3048, 0.3413



37.0529, 0.2733, 0.5038



3.4531, 0.2671, 0.4817

Inverse Universe

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



62.3195, 0.3393, 0.2962



58.3298, 0.3463, 0.2893



60.8179, 0.3649, 0.3281



17.3725, 0.3214, 0.3170



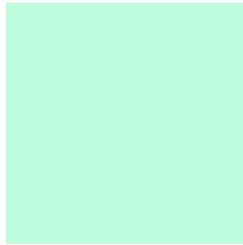
11.6233, 0.4927, 0.2488



1.0979, 0.4666, 0.2344

Previews

White Background



This preview shows how the Yxy color 85.6069, 0.2925, 0.3644 looks on a white background.

Color Contrast Check

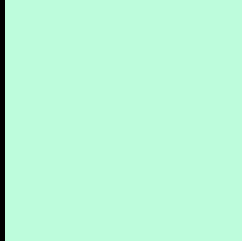
Large Text (above 18pt) WCAG AA × Fail

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 85.6069, 0.2925, 0.3644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

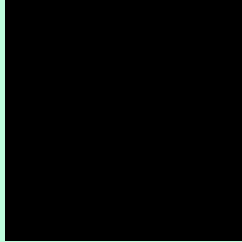
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

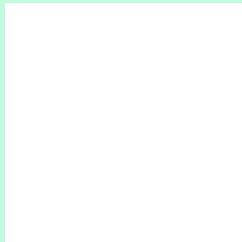
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.6069, 0.2925, 0.3644

Background



This preview shows how black text looks on a background with the Yxy color 85.6069, 0.2925, 0.3644.

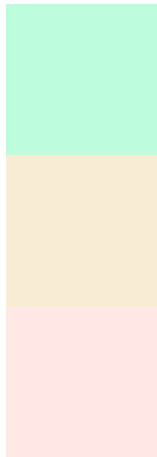


This preview shows how white text looks on a background with the Yxy color 85.6069, 0.2925, 0.3644.

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

85.6069, 0.2925, 0.3644

Protanopia

85.2783, 0.3361, 0.3544

Deuteranopia

84.6864, 0.3298, 0.3310



Tritanopia

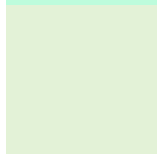
85.0204, 0.2877, 0.3155

Trichromacy



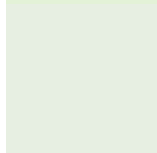
Original Color

85.6069, 0.2925, 0.3644



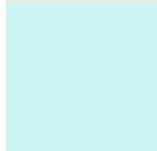
Protanomaly

84.7415, 0.3193, 0.3574



Deuteranomaly

84.2129, 0.3154, 0.3425



Tritanomaly

85.3015, 0.2897, 0.3332

Monochromacy



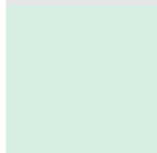
Original Color

85.6069, 0.2925, 0.3644



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.0871, 0.3049, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.6069, 0.2925, 0.3644 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(189, 252, 220)` looks like.

```
.text, #text, p{  
    color:rgb(189, 252, 220)  
}
```

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(189, 252, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 252, 220) }
```

Border

The CSS property to change the border of an element to Yxy 85.6069, 0.2925, 0.3644 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(189, 252, 220) }
```

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

```
.border{ border-color:rgb(189, 252, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 252, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 252, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 252, 220);  
box-shadow:4px 4px 4px 4px rgb(189, 252,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 85.6069, 0.2925, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 252, 220) }
```

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

```
.background{ background-color: rgb(189,  
252, 220) }
```

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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