

Converting Colors

$Yxy(85.8583, 0.3163, 0.3858)$

Have a look what the booklet for
Yxy(85.8583, 0.3163, 0.3858)
contains.

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Color

Yxy(85.8583, 0.3163, 0.3858)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D0FAC6 |
| RGB | 208, 250, 198 |
| RGB Percent | 82%, 98%, 78% |
| CMY | 0.1843, 0.0196, 0.2235 |
| CMYK | 0.17, 0.00, 0.21, 0.02 |
| HSL | 108°, 84%, 88% |
| HSV | 108°, 21%, 98% |
| XYZ | 70.3913, 85.8583, 66.2965 |
| YIQ | 231.5140, -8.3400, -25.0760 |

Conversions

Conversions Part 2

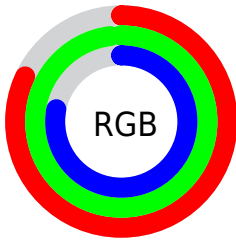
| Format | Color |
|-------------------------------------|---------------------------------|
| R _{YB} | 198, 250, 240 |
| Decimal | 13695686 |
| CIE Lab | 94.25, -22.85, 20.57 |
| CIE LCh | 94, 30.748, 137.999 |
| Yxy | 85.8583, 0.3163, 0.3858 |
| Android (android.graphics.Color) | 4291885766 (0xFFD0FAC6) |
| YUV | 231.5140, -16.5224, -20.6218 |
| Hunter-Lab | 92.6598, -26.5525, 22.4408 |

Details

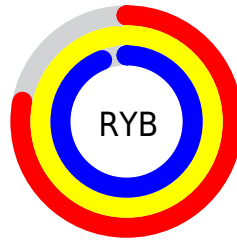
The Yxy color **85.8583, 0.3163, 0.3858** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **65.8273, 0.3077, 0.2760**, and the grayscale version is **80.4466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9258, 0.3165, 0.3989** is the 20% darker color. If you saturate the color by 10%, you get **82.0578, 0.3175, 0.4174**, and if you desaturate by 10%, it is **90.2295, 0.3147, 0.3569**.

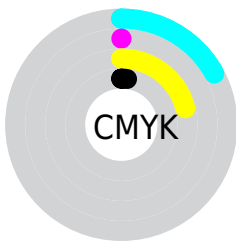
Distribution



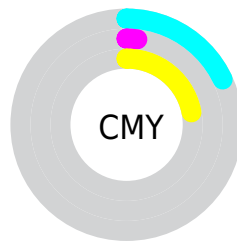
- Red (82%)
- Green (98%)
- Blue (78%)



- Red (78%)
- Yellow (98%)
- Blue (94%)



- Cyan (17%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)





- Cyan (18%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8583, 0.3163, 0.3858 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 85.8583, 0.3163, 0.3858 by changing the saturation by 10% instead.

 85.8583, 0.3163,
0.3858

 85.8583, 0.3163,
0.3858


514.4639, 0.3152,
0.3594

 64.5508, 0.3164,
0.3919


141.5717, 0.3160,
0.3766

 47.0969, 0.3165,
0.3993


176.7465, 0.3159,
0.3731

 33.1123, 0.3165,
0.4088


217.3124, 0.3157,
0.3700

 22.2125, 0.3164,
0.4212

263.6539, 0.3156,
0.3673

 14.0131, 0.3159,
0.4381

316.1554, 0.3155,
0.3650

 8.1298, 0.3145,
0.4623

375.2013, 0.3154,


 4.1781, 0.3109,


0.3629

0.4997

441.1760, 0.3153,
0.3610

 1.7737, 0.3154,
0.5914


 0.4707, 0.0000,
1.0000

 85.8583, 0.3163,
0.3858


 85.8583, 0.3163,
0.3858


 82.0578, 0.3175,
0.4174


 90.2295, 0.3147,
0.3569

 78.7936, 0.3183,
0.4510

 95.1824, 0.3129,
0.3309

 76.0446, 0.3182,
0.4853

 96.8546, 0.3129,
0.3242

 73.7836, 0.3173,
0.5182

■ 71.9811, 0.3154,
0.5476

■ 70.6043, 0.3125,
0.5711

■ 69.6154, 0.3089,
0.5872

■ 69.0029, 0.3056,
0.5956

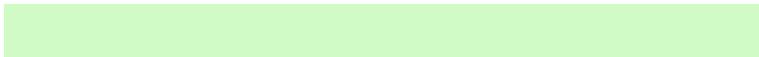
Harmonies

Analogous

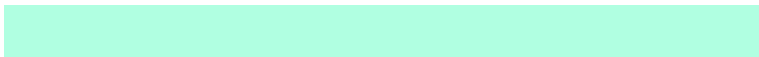
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8583, 0.3502, 0.3915



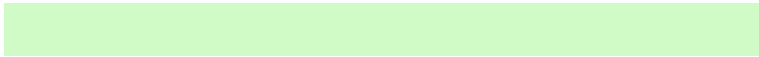
85.8583, 0.3163, 0.3858



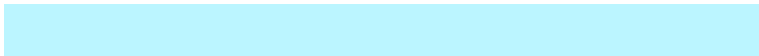
85.8583, 0.2826, 0.3618

Triad

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



85.8583, 0.3163, 0.3858



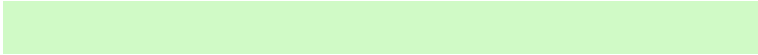
85.8583, 0.2532, 0.2774



85.8583, 0.3703, 0.3257

Complementary

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



85.8583, 0.3163, 0.3858



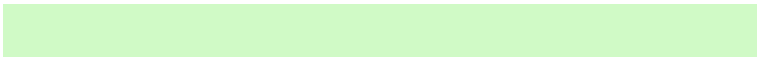
65.8273, 0.3077, 0.2760

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.



85.8583, 0.3416, 0.2990



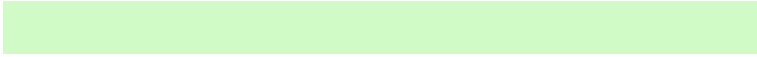
85.8583, 0.3163, 0.3858



85.8583, 0.2740, 0.2716

Square

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



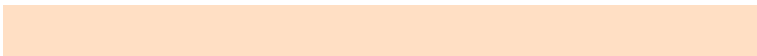
85.8583, 0.3163, 0.3858



85.8583, 0.2475, 0.2974



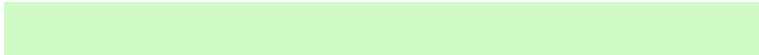
85.8583, 0.3060, 0.2796



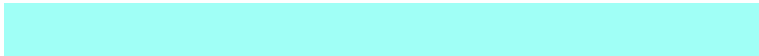
85.8583, 0.3826, 0.3545

Rectangle

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



85.8583, 0.3163, 0.3858



85.8583, 0.2648, 0.3398



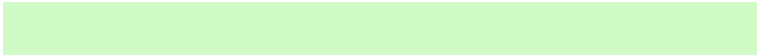
85.8583, 0.3060, 0.2796



85.8583, 0.3621, 0.3162

Sweetspot

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



85.8620, 0.3163, 0.3858



96.7837, 0.3138, 0.3441



86.4923, 0.3462, 0.3712



20.6437, 0.3140, 0.3458



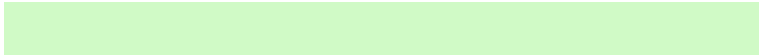
0.0000, 0.0000, 0.0000



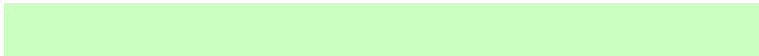
21.4041, 0.3127, 0.3290

Same Dimension

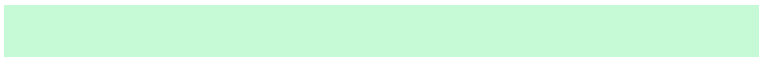
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8620, 0.3163, 0.3858



88.0578, 0.3169, 0.3989



85.2178, 0.3013, 0.3690



19.4695, 0.3145, 0.3533



36.6454, 0.3063, 0.5950



3.4352, 0.3135, 0.5893

Inverse Universe

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



65.8273, 0.3077, 0.2760



63.6030, 0.3064, 0.2648



66.6843, 0.3265, 0.2921



17.3463, 0.3107, 0.3054



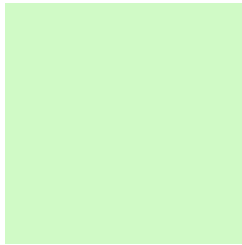
10.3823, 0.2727, 0.1276



1.0033, 0.2787, 0.1309

Previews

White Background



This preview shows how the Yxy color 85.8583, 0.3163, 0.3858 looks on a white background.

Color Contrast Check

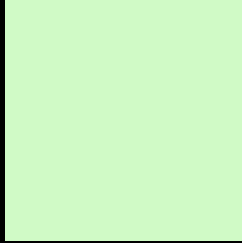
Large Text (above 18pt) WCAG AA × Fail

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 85.8583, 0.3163, 0.3858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

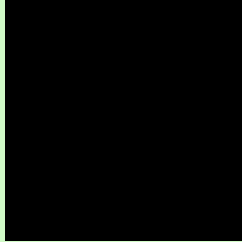
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

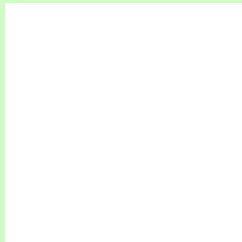
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8583, 0.3163, 0.3858

Background



This preview shows how black text looks on a background with the Yxy color 85.8583, 0.3163, 0.3858.

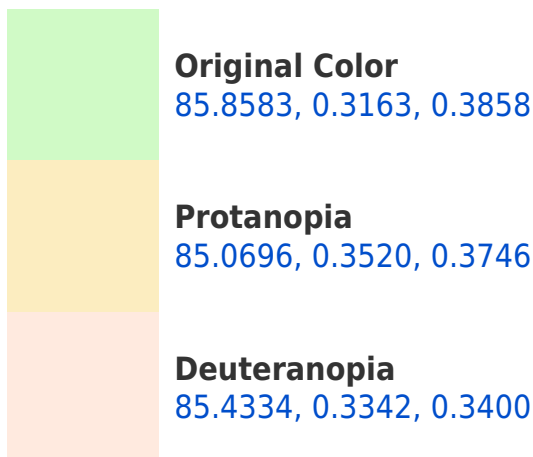


This preview shows how white text looks on a background with the Yxy color 85.8583, 0.3163, 0.3858.

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

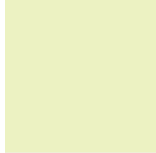
85.9779, 0.2937, 0.3147

Trichromacy



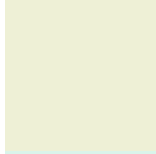
Original Color

85.8583, 0.3163, 0.3858



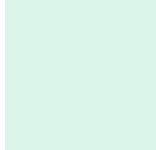
Protanomaly

85.2322, 0.3385, 0.3792



Deuteranomaly

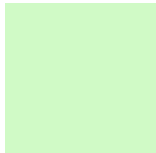
85.3524, 0.3275, 0.3558



Tritanomaly

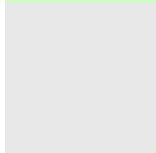
85.5473, 0.3020, 0.3395

Monochromacy



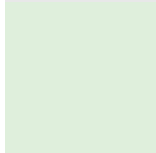
Original Color

85.8583, 0.3163, 0.3858



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.5883, 0.3138, 0.3491

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8583, 0.3163, 0.3858 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(208, 250, 198)` looks like.

```
.text, #text, p{  
    color:rgb(208, 250, 198)  
}
```

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(208, 250, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 250, 198) }
```

Border

The CSS property to change the border of an element to Yxy 85.8583, 0.3163, 0.3858 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(208, 250, 198) }
```

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

```
.border{ border-color:rgb(208, 250, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 250, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 250, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 250, 198);  
box-shadow:4px 4px 4px 4px rgb(208, 250,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8583, 0.3163, 0.3858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 250, 198) }
```

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

```
.background{ background-color: rgb(208,  
250, 198) }
```

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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