

Converting Colors

$Yxy(85.9803, 0.3118, 0.3799)$

Have a look what the booklet for
Yxy(85.9803, 0.3118, 0.3799)
contains.

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Color

Yxy(85.8527, 0.3116, 0.3793)

Conversions

Conversions Part 1

Format	Color
Hex	CEFACC
RGB	206, 250, 204
RGB Percent	81%, 98%, 80%
CMY	0.1923, 0.0195, 0.2001
CMYK	0.18, 0.00, 0.18, 0.02
HSL	117°, 82%, 89%
HSV	117°, 18%, 98%
XYZ	70.5291, 85.8527, 69.9633
YIQ	231.6000, -11.4580, -23.6340

Conversions

Conversions Part 2

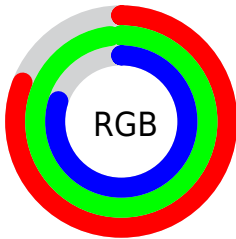
Format	Color
RYB	204, 250, 248
Decimal	13564620
CIELab	94.25, -22.54, 17.50
CIElCh	94, 28.540, 142.178
Yxy	85.8527, 0.3116, 0.3793
Android (android.graphics.Color)	4291754700 (0xFFCEFACC)
YUV	231.6000, -13.6068, -22.4512
Hunter-Lab	92.6567, -26.2773, 20.0910

Details

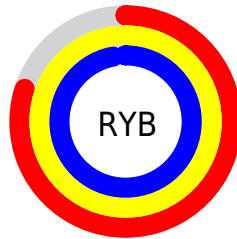
The Yxy color **85.8527, 0.3116, 0.3793** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.0367, 0.3134, 0.2830**, and the grayscale version is **80.4883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.9212, 0.3106, 0.3904** is the 20% darker color. If you saturate the color by 10%, you get **81.5854, 0.3107, 0.4113**, and if you desaturate by 10%, it is **90.8407, 0.3123, 0.3505**.

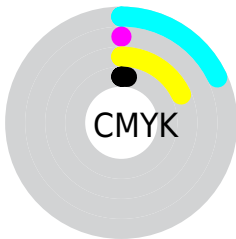
Distribution



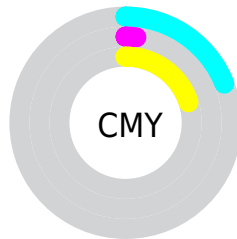
- Red (81%)
- Green (98%)
- Blue (80%)



- Red (80%)
- Yellow (98%)
- Blue (97%)



- Cyan (18%)
- Magenta (0%)
- Yellow (18%)
- Black (2%)



- Cyan (19%)
- Magenta (2%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8527, 0.3116, 0.3793 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 85.8527, 0.3116, 0.3793 by changing the saturation by 10% instead.

 85.8527, 0.3116,
0.3793

 85.8527, 0.3116,
0.3793


514.4454, 0.3125,
0.3559

 64.5462, 0.3113,
0.3846


141.5639, 0.3120,
0.3712

 47.0932, 0.3109,
0.3913


176.7374, 0.3121,
0.3680

 33.1093, 0.3103,
0.3997


217.3020, 0.3122,
0.3653

 22.2102, 0.3094,
0.4106

263.6421, 0.3123,
0.3630

 14.0114, 0.3080,
0.4256

316.1421, 0.3124,
0.3609

 8.1286, 0.3056,
0.4471


375.1864, 0.3124,


 4.1774, 0.3008,

0.3590

0.4805

441.1593, 0.3125,
0.3574

 1.7733, 0.2961,
0.5505


 0.4704, 0.0000,
1.0000


 85.8527, 0.3116,
0.3793


 85.8527, 0.3116,
0.3793


 81.5854, 0.3107,
0.4113


 90.8407, 0.3123,
0.3505

 77.9953, 0.3096,
0.4459

 96.5690, 0.3128,
0.3252

 75.0507, 0.3082,
0.4818

 96.8605, 0.3129,
0.3243

 72.7134, 0.3067,
0.5167

■ 70.9410, 0.3050,
0.5482

■ 69.6856, 0.3033,
0.5733

■ 68.8915, 0.3018,
0.5902

■ 68.4876, 0.3007,
0.5986

■ 68.4505, 0.3006,
0.5995

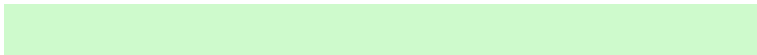
Harmonies

Analogous

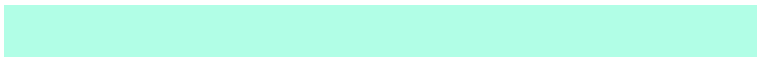
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8527, 0.3436, 0.3873



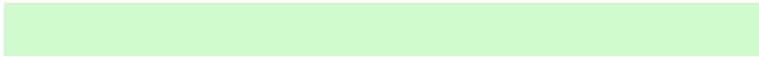
85.8527, 0.3116, 0.3793



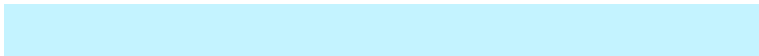
85.8527, 0.2810, 0.3553

Triad

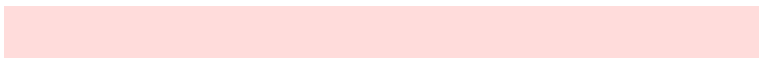
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.8527, 0.3116, 0.3793



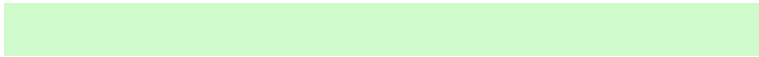
85.8527, 0.2592, 0.2795



85.8527, 0.3687, 0.3298

Complementary

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



85.8527, 0.3116, 0.3793



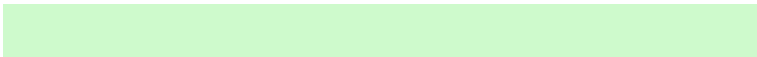
70.0367, 0.3134, 0.2830

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.



85.8527, 0.3439, 0.3042



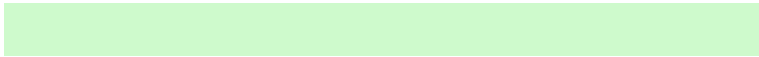
85.8527, 0.3116, 0.3793



85.8527, 0.2804, 0.2758

Square

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



85.8527, 0.3116, 0.3793



85.8527, 0.2518, 0.2964



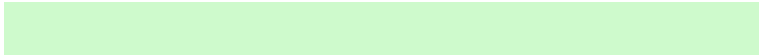
85.8527, 0.3112, 0.2849



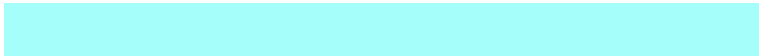
85.8527, 0.3777, 0.3565

Rectangle

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



85.8527, 0.3116, 0.3793



85.8527, 0.2653, 0.3346



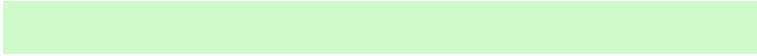
85.8527, 0.3112, 0.2849



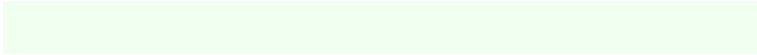
85.8527, 0.3619, 0.3209

Sweetspot

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



85.8564, 0.3116, 0.3793



96.3823, 0.3124, 0.3441



91.6435, 0.3409, 0.3728



20.5492, 0.3124, 0.3458



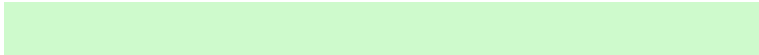
0.0000, 0.0000, 0.0000



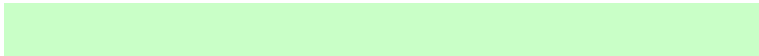
21.4041, 0.3127, 0.3290

Same Dimension

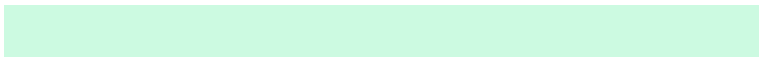
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8564, 0.3116, 0.3793



88.1023, 0.3113, 0.3905



86.6337, 0.2987, 0.3563



19.3451, 0.3122, 0.3535



36.3190, 0.3009, 0.5993



3.3760, 0.3031, 0.5975

Inverse Universe

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



70.0367, 0.3134, 0.2830



68.8226, 0.3135, 0.2738



69.1740, 0.3297, 0.3032



17.4840, 0.3131, 0.3056



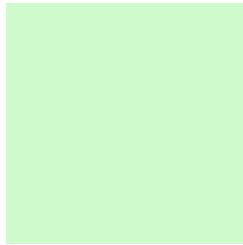
13.4272, 0.3101, 0.1482



1.2551, 0.3115, 0.1489

Previews

White Background



This preview shows how the Yxy color 85.8527, 0.3116, 0.3793 looks on a white background.

Color Contrast Check

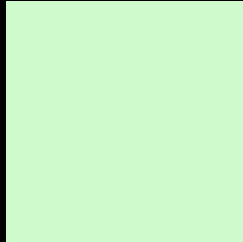
Large Text (above 18pt) WCAG AA × Fail

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 85.8527, 0.3116, 0.3793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

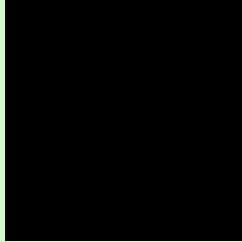
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

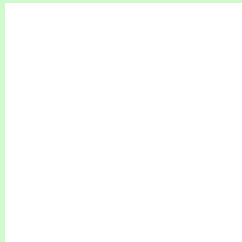
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8527, 0.3116, 0.3793

Background



This preview shows how black text looks on a background with the Yxy color 85.8527, 0.3116, 0.3793.

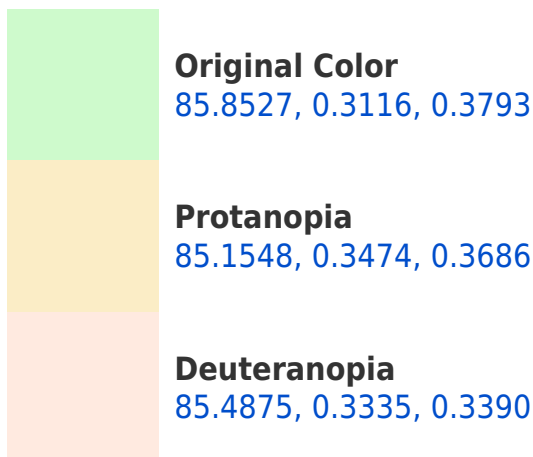


This preview shows how white text looks on a background with the Yxy color 85.8527, 0.3116, 0.3793.

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

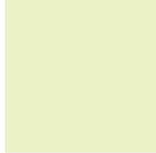
85.6602, 0.2925, 0.3147

Trichromacy



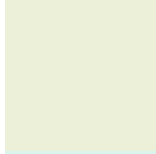
Original Color

85.8527, 0.3116, 0.3793



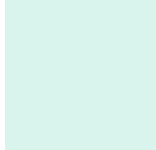
Protanomaly

85.3366, 0.3340, 0.3729



Deuteranomaly

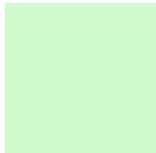
85.3345, 0.3249, 0.3527



Tritanomaly

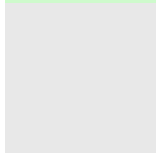
85.3564, 0.2996, 0.3374

Monochromacy



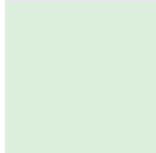
Original Color

85.8527, 0.3116, 0.3793



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.6949, 0.3125, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8527, 0.3116, 0.3793 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(206, 250, 204)` looks like.

```
.text, #text, p{  
    color:rgb(206, 250, 204)  
}
```

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(206, 250, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 250, 204) }
```

Border

The CSS property to change the border of an element to Yxy 85.8527, 0.3116, 0.3793 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(206, 250, 204) }
```

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

```
.border{ border-color:rgb(206, 250, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 250, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 250, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 250, 204); box-shadow:4px 4px 4px 4px rgb(206, 250, 204) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8527, 0.3116, 0.3793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 250, 204) }
```

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

```
.background{ background-color: rgb(206,  
250, 204) }
```

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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