

Converting Colors

$Yxy(84.1619, 0.3112, 0.3800)$

Have a look what the booklet for
Yxy(84.1619, 0.3112, 0.3800)
contains.

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Color

Yxy(84.0956, 0.3110, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	CBF8CA
RGB	203, 248, 202
RGB Percent	80%, 97%, 79%
CMY	0.2038, 0.0275, 0.2079
CMYK	0.18, 0.00, 0.19, 0.03
HSL	119°, 77%, 88%
HSV	119°, 19%, 97%
XYZ	68.8619, 84.0956, 68.4633
YIQ	229.3010, -12.0540, -23.8460

Conversions

Conversions Part 2

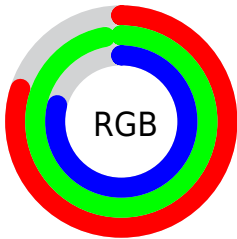
Format	Color
R _Y B	202, 248, 247
Decimal	13367498
CIE Lab	93.49, -22.88, 17.44
CIE LCh	93, 28.764, 142.682
Yxy	84.0956, 0.3110, 0.3798
Android (android.graphics.Color)	4291557578 (0xFFCBF8CA)
YUV	229.3010, -13.4594, -23.0660
Hunter-Lab	91.7037, -26.4427, 19.9284

Details

The Yxy color **84.0956, 0.3110, 0.3798** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.7691, 0.3141, 0.2828**, and the grayscale version is **78.7012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6956, 0.3098, 0.3912** is the 20% darker color. If you saturate the color by 10%, you get **79.8768, 0.3098, 0.4120**, and if you desaturate by 10%, it is **89.0419, 0.3120, 0.3509**.

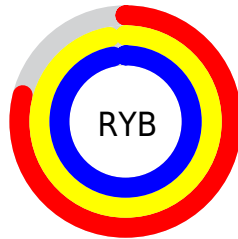
Distribution



Red (80%)

Green (97%)

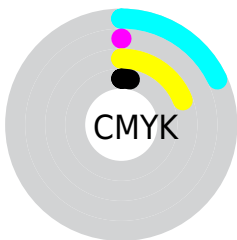
Blue (79%)



Red (79%)

Yellow (97%)

Blue (97%)

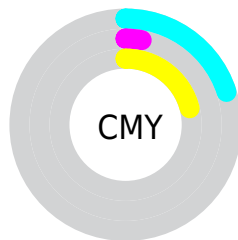


Cyan (18%)

Magenta (0%)

Yellow (19%)

Black (3%)



Cyan (20%)


Magenta (3%)


Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0956, 0.3110, 0.3798 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 84.0956, 0.3110, 0.3798 by changing the saturation by 10% instead.


 84.0956, 0.3110,
0.3798

 84.0956, 0.3110,
0.3798


508.6306, 0.3122,
0.3561

 63.0944, 0.3106,
0.3852

139.1089, 0.3115,
0.3715

 45.9176, 0.3102,
0.3920


173.8898, 0.3116,
0.3684

 32.1808, 0.3095,
0.4006


214.0326, 0.3118,
0.3656

 21.4996, 0.3084,
0.4118

259.9219, 0.3119,
0.3632

 13.4897, 0.3068,
0.4272

311.9419, 0.3120,
0.3611

 7.7666, 0.3040,
0.4495

370.4771, 0.3121,

 3.9460, 0.2986,

0.3592

0.4843

435.9119, 0.3121,
0.3576

■ 1.6434, 0.2958,
0.5644

■ 0.3866, 0.0000,
1.0000

■ 84.0956, 0.3110,
0.3798

■ 84.0956, 0.3110,
0.3798

■ 79.8768, 0.3098,
0.4120

■ 89.0419, 0.3120,
0.3509

■ 76.3410, 0.3084,
0.4468

■ 94.7362, 0.3128,
0.3256

■ 73.4557, 0.3069,
0.4828

■ 95.6140, 0.3130,
0.3223

■ 71.1811, 0.3053,
0.5179

■ 69.4734, 0.3037,
0.5493

■ 68.2827, 0.3023,
0.5743

■ 67.5506, 0.3011,
0.5909

■ 67.2014, 0.3004,
0.5989

■ 67.1710, 0.3003,
0.5997

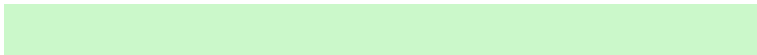
Harmonies

Analogous

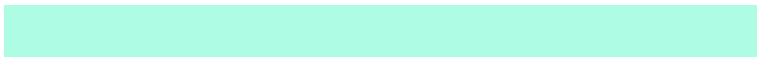
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.0956, 0.3435, 0.3882



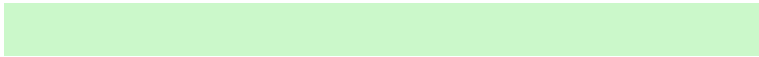
84.0956, 0.3110, 0.3798



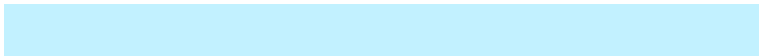
84.0956, 0.2800, 0.3552

Triad

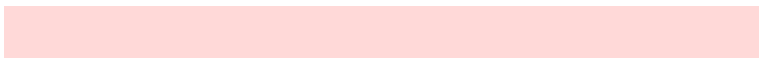
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0956, 0.3110, 0.3798



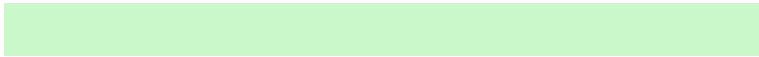
84.0956, 0.2587, 0.2786



84.0956, 0.3699, 0.3303

Complementary

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



84.0956, 0.3110, 0.3798



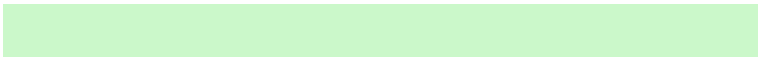
68.7691, 0.3141, 0.2828

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.



84.0956, 0.3448, 0.3042



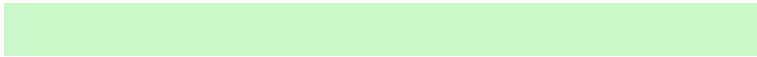
84.0956, 0.3110, 0.3798



84.0956, 0.2804, 0.2751

Square

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



84.0956, 0.3110, 0.3798



84.0956, 0.2509, 0.2956



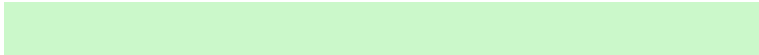
84.0956, 0.3117, 0.2845



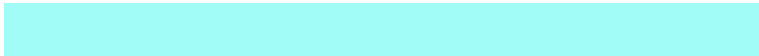
84.0956, 0.3786, 0.3573

Rectangle

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



84.0956, 0.3110, 0.3798



84.0956, 0.2643, 0.3342



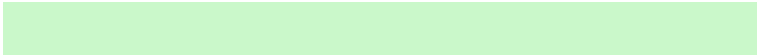
84.0956, 0.3117, 0.2845



84.0956, 0.3630, 0.3212

Sweetspot

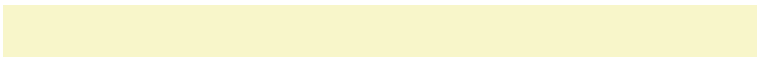
The Sweet Spot groups the original color and five complimentary colors.



84.0992, 0.3110, 0.3798



96.3281, 0.3122, 0.3441



90.4139, 0.3410, 0.3738



20.5364, 0.3122, 0.3459



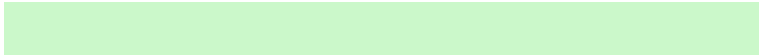
0.0000, 0.0000, 0.0000



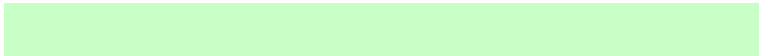
21.4041, 0.3127, 0.3290

Same Dimension

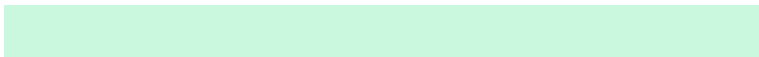
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0992, 0.3110, 0.3798



87.9453, 0.3106, 0.3906



85.0394, 0.2982, 0.3556



19.3283, 0.3119, 0.3535



36.2944, 0.3005, 0.5996



3.3680, 0.3017, 0.5987

Inverse Universe

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



68.7691, 0.3141, 0.2828



69.0357, 0.3143, 0.2739



67.7054, 0.3304, 0.3038



17.5029, 0.3134, 0.3056



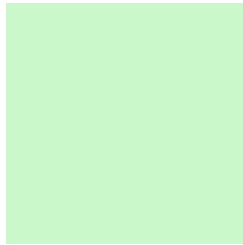
13.8933, 0.3152, 0.1510



1.2931, 0.3159, 0.1514

Previews

White Background



This preview shows how the Yxy color 84.0956, 0.3110, 0.3798 looks on a white background.

Color Contrast Check

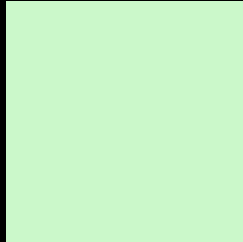
Large Text (above 18pt) WCAG AA × Fail

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 84.0956, 0.3110, 0.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

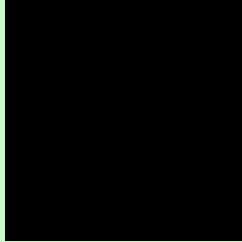
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

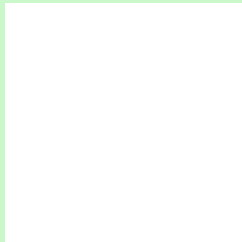
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0956, 0.3110, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 84.0956, 0.3110, 0.3798.

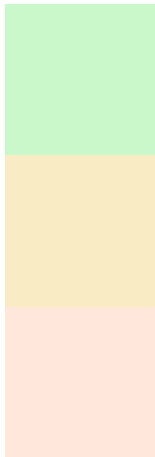


This preview shows how white text looks on a background with the Yxy color 84.0956, 0.3110, 0.3798.

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

84.0956, 0.3110, 0.3798

Protanopia

83.5419, 0.3477, 0.3689

Deuteranopia

83.5791, 0.3366, 0.3400



Tritanopia

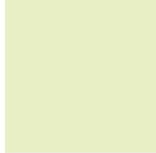
83.7047, 0.2894, 0.3124

Trichromacy



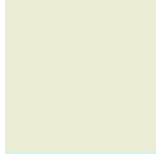
Original Color

84.0956, 0.3110, 0.3798



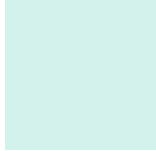
Protanomaly

83.5532, 0.3335, 0.3733



Deuteranomaly

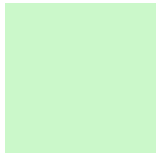
83.2053, 0.3271, 0.3540



Tritanomaly

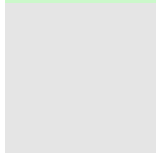
83.5574, 0.2971, 0.3353

Monochromacy



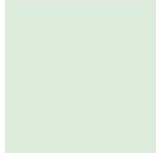
Original Color

84.0956, 0.3110, 0.3798



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.3210, 0.3125, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0956, 0.3110, 0.3798 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(203, 248, 202)` looks like.

```
.text, #text, p{  
    color:rgb(203, 248, 202)  
}
```

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(203, 248, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 248, 202) }
```

Border

The CSS property to change the border of an element to Yxy 84.0956, 0.3110, 0.3798 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(203, 248, 202) }
```

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

```
.border{ border-color:rgb(203, 248, 202) }
```

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

Here you see how a box with a 4 pixel rgb(203, 248, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 248, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 248, 202);  
box-shadow:4px 4px 4px 4px rgb(203, 248,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0956, 0.3110, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 248, 202) }
```

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

```
.background{ background-color: rgb(203,  
248, 202) }
```

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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