

Converting Colors

Yxy(88.1381, 0.3104, 0.3694)

Have a look what the booklet for
Yxy(88.1381, 0.3104, 0.3694)
contains.

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Color

Yxy(87.9955, 0.3102, 0.3685)

Conversions

Conversions Part 1

Format	Color
Hex	D5FBD6
RGB	213, 251, 214
RGB Percent	84%, 98%, 84%
CMY	0.1648, 0.0157, 0.1606
CMYK	0.15, 0.00, 0.15, 0.02
HSL	122°, 83%, 91%
HSV	122°, 15%, 98%
XYZ	74.0738, 87.9955, 76.7244
YIQ	235.4200, -10.7710, -19.5630

Conversions

Conversions Part 2

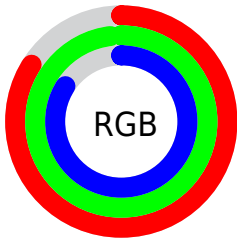
Format	Color
R _Y B	213, 250, 251
Decimal	14023638
CIE Lab	95.16, -19.01, 13.68
CIE LCh	95, 23.417, 144.254
Yxy	87.9955, 0.3102, 0.3685
Android (android.graphics.Color)	4292213718 (0xFFD5FBD6)
YUV	235.4200, -10.5601, -19.6623
Hunter-Lab	93.8059, -23.2079, 17.1705

Details

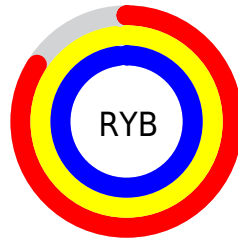
The Yxy color **87.9955, 0.3102, 0.3685** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.9861, 0.3152, 0.2924**, and the grayscale version is **83.5038, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.3559, 0.3096, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **83.3772, 0.3084, 0.3988**, and if you desaturate by 10%, it is **93.3890, 0.3119, 0.3415**.

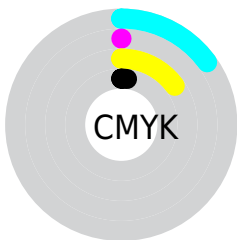
Distribution



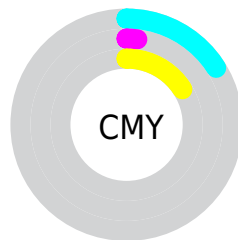
- Red (84%)
- Green (98%)
- Blue (84%)



- Red (84%)
- Yellow (98%)
- Blue (98%)



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





- Cyan (16%)
- Magenta (2%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9955, 0.3102, 0.3685 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 87.9955, 0.3102, 0.3685 by changing the saturation by 10% instead.


 87.9955, 0.3102,
0.3685

 87.9955, 0.3102,
0.3685

521.4885, 0.3116,
0.3503

 66.3193, 0.3098,
0.3726


144.5509, 0.3107,
0.3622

 48.5317, 0.3094,
0.3777

180.1989, 0.3109,
0.3598

 34.2481, 0.3087,
0.3841


221.2730, 0.3111,
0.3577

 23.0843, 0.3079,
0.3924

268.1576, 0.3112,
0.3558

 14.6558, 0.3066,
0.4037

321.2370, 0.3113,
0.3542

 8.5781, 0.3045,
0.4198

380.8957, 0.3114,

 4.4671, 0.3008,

0.3528

0.4446

447.5181, 0.3115,
0.3515

■ 1.9381, 0.2933,
0.4876

■ 0.5711, 0.1214,
0.8786

■ 87.9955, 0.3102,
0.3685

■ 87.9955, 0.3102,
0.3685

■ 83.3772, 0.3084,
0.3988

■ 93.3890, 0.3119,
0.3415

■ 79.4878, 0.3065,
0.4321

■ 97.4796, 0.3129,
0.3252

■ 76.2935, 0.3046,
0.4673

■ 73.7533, 0.3028,
0.5026

■ 71.8221, 0.3013,
0.5356

■ 70.4488, 0.3003,
0.5635

■ 69.5741, 0.2997,
0.5840

■ 69.1255, 0.2997,
0.5958

■ 69.0149, 0.2997,
0.5988

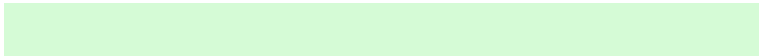
Harmonies

Analogous

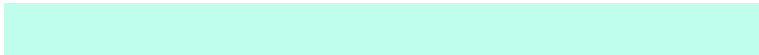
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9955, 0.3364, 0.3762



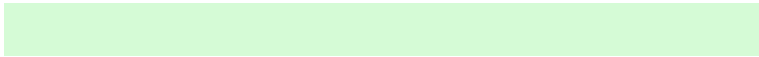
87.9955, 0.3102, 0.3685



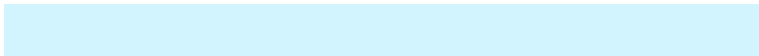
87.9955, 0.2854, 0.3487

Triad

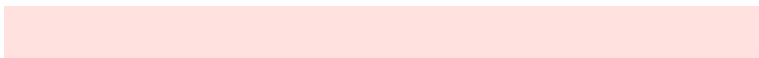
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9955, 0.3102, 0.3685



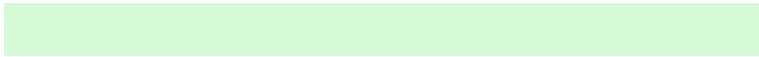
87.9955, 0.2697, 0.2880



87.9955, 0.3591, 0.3315

Complementary

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



87.9955, 0.3102, 0.3685



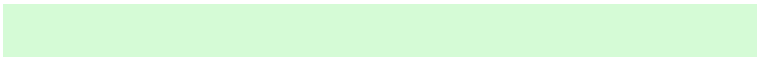
74.9861, 0.3152, 0.2924

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.



87.9955, 0.3398, 0.3101



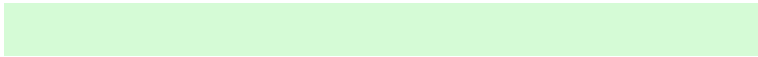
87.9955, 0.3102, 0.3685



87.9955, 0.2880, 0.2854

Square

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



87.9955, 0.3102, 0.3685



87.9955, 0.2627, 0.3014



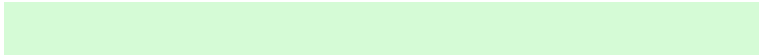
87.9955, 0.3135, 0.2935



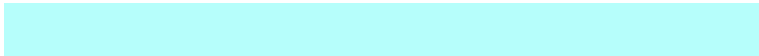
87.9955, 0.3654, 0.3533

Rectangle

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



87.9955, 0.3102, 0.3685



87.9955, 0.2728, 0.3320



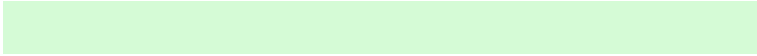
87.9955, 0.3135, 0.2935



87.9955, 0.3539, 0.3241

Sweetspot

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



87.9992, 0.3102, 0.3685



96.8888, 0.3119, 0.3412



94.1957, 0.3351, 0.3667



20.6482, 0.3118, 0.3430



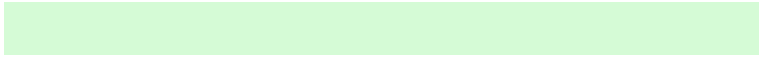
0.0000, 0.0000, 0.0000



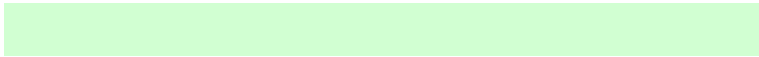
21.4041, 0.3127, 0.3290

Same Dimension

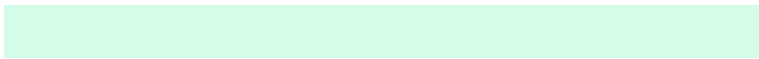
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9992, 0.3102, 0.3685



89.7622, 0.3097, 0.3769



89.0040, 0.2997, 0.3483



19.3171, 0.3112, 0.3528



36.2778, 0.2995, 0.5983



3.3626, 0.2983, 0.5940

Inverse Universe

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



74.9861, 0.3152, 0.2924



74.0476, 0.3157, 0.2854



73.8772, 0.3280, 0.3105



17.5157, 0.3142, 0.3063



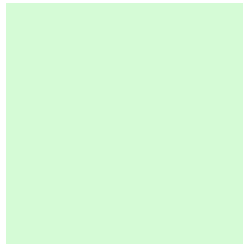
14.2170, 0.3280, 0.1581



1.3193, 0.3271, 0.1576

Previews

White Background



This preview shows how the Yxy color 87.9955, 0.3102, 0.3685 looks on a white background.

Color Contrast Check

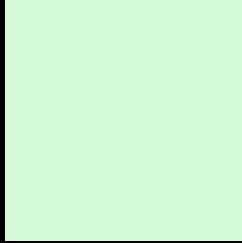
Large Text (above 18pt) WCAG AA × Fail

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 87.9955, 0.3102, 0.3685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

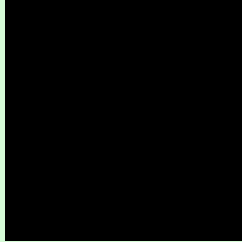
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

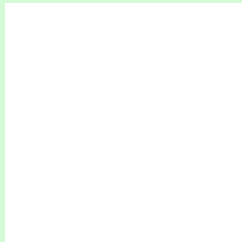
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9955, 0.3102, 0.3685

Background



This preview shows how black text looks on a background with the Yxy color 87.9955, 0.3102, 0.3685.

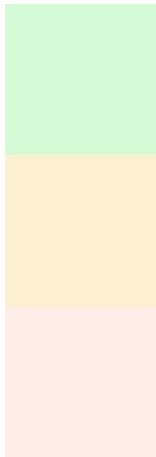


This preview shows how white text looks on a background with the Yxy color 87.9955, 0.3102, 0.3685.

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

87.9955, 0.3102, 0.3685

Protanopia

87.5697, 0.3410, 0.3611

Deuteranopia

87.5979, 0.3286, 0.3349



Tritanopia

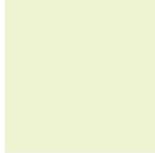
87.9792, 0.2968, 0.3169

Trichromacy



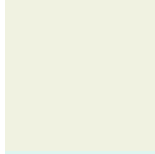
Original Color

87.9955, 0.3102, 0.3685



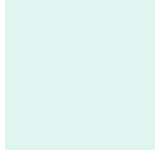
Protanomaly

87.5317, 0.3295, 0.3640



Deuteranomaly

87.4658, 0.3218, 0.3463



Tritanomaly

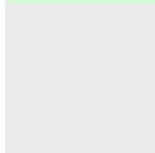
87.8908, 0.3017, 0.3352

Monochromacy



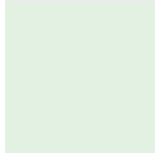
Original Color

87.9955, 0.3102, 0.3685



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.7875, 0.3120, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9955, 0.3102, 0.3685 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(213, 251, 214)` looks like.

```
.text, #text, p{  
    color:rgb(213, 251, 214)  
}
```

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(213, 251, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 251, 214) }
```

Border

The CSS property to change the border of an element to Yxy 87.9955, 0.3102, 0.3685 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(213, 251, 214) }
```

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

```
.border{ border-color:rgb(213, 251, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 251, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 251, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 251, 214);  
box-shadow:4px 4px 4px 4px rgb(213, 251,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9955, 0.3102, 0.3685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 251, 214) }
```

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

```
.background{ background-color: rgb(213,  
251, 214) }
```

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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