

Converting Colors

$Y_{xy}(87.3504, 0.3015, 0.3725)$

Have a look what the booklet for
Yxy(87.3504, 0.3015, 0.3725)
contains.

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Color

Yxy(87.1114, 0.3010, 0.3717)

Conversions

Conversions Part 1

Format	Color
Hex	C6FDD6
RGB	198, 253, 214
RGB Percent	78%, 99%, 84%
CMY	0.2237, 0.0078, 0.1608
CMYK	0.22, 0.00, 0.15, 0.01
HSL	137°, 93%, 88%
HSV	137°, 22%, 99%
XYZ	70.5422, 87.1114, 76.7058
YIQ	232.1090, -20.2610, -23.7890

Conversions

Conversions Part 2

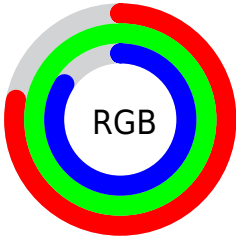
Format	Color
RYB	198, 241, 253
Decimal	13041110
CIELab	94.79, -24.83, 13.05
CIElCh	95, 28.049, 152.271
Yxy	87.1114, 0.3010, 0.3717
Android (android.graphics.Color)	4291231190 (0xFFC6FDD6)
YUV	232.1090, -8.9277, -29.9136
Hunter-Lab	93.3335, -28.4219, 16.6061

Details

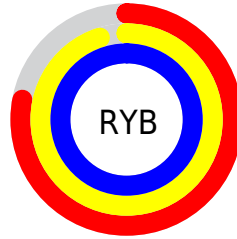
The Yxy color **87.1114, 0.3010, 0.3717** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.3692, 0.3269, 0.2898**, and the grayscale version is **80.8574, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8227, 0.2981, 0.3819** is the 20% darker color. If you saturate the color by 10%, you get **83.0936, 0.2960, 0.3950**, and if you desaturate by 10%, it is **91.8117, 0.3063, 0.3507**.

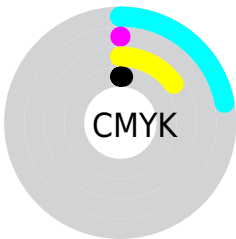
Distribution



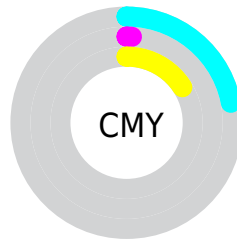
- Red (78%)
- Green (99%)
- Blue (84%)



- Red (78%)
- Yellow (95%)
- Blue (99%)



- Cyan (22%)
- Magenta (0%)
- Yellow (15%)
- Black (1%)





- Cyan (22%)
- Magenta (1%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1114, 0.3010, 0.3717 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 87.1114, 0.3010, 0.3717 by changing the saturation by 10% instead.


 87.1114, 0.3010,
0.3717

 87.1114, 0.3010,
0.3717

518.5889, 0.3066,
0.3520

 65.5874, 0.2997,
0.3762

143.3194, 0.3029,
0.3649

 47.9375, 0.2981,
0.3818


178.7722, 0.3037,
0.3622

 33.7774, 0.2960,
0.3888


219.6367, 0.3043,
0.3599

 22.7227, 0.2933,
0.3980

266.2973, 0.3049,
0.3579

 14.3889, 0.2895,
0.4106

319.1385, 0.3054,
0.3561

 8.3916, 0.2839,
0.4286


378.5445, 0.3058,


 4.3465, 0.2749,


0.3546


0.4566

444.8998, 0.3062,
0.3532


 1.8692, 0.2584,
0.5061


 0.5298, 0.0000,
1.0000


 87.1114, 0.3010,
0.3717


 87.1114, 0.3010,
0.3717

 83.0936, 0.2960,
0.3950


 91.8117, 0.3063,
0.3507

 79.7154, 0.2915,
0.4203

 97.2131, 0.3118,
0.3320

 76.9463, 0.2878,
0.4472

 98.7402, 0.3128,
0.3271

 74.7486, 0.2854,
0.4748

■ 73.0801, 0.2845,
0.5019

■ 71.8930, 0.2852,
0.5273

■ 71.1299, 0.2875,
0.5495

■ 70.7501, 0.2902,
0.5648

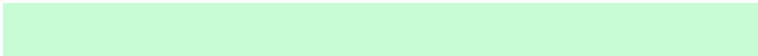
Harmonies

Analogous

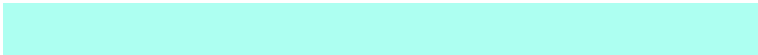
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1114, 0.3328, 0.3853



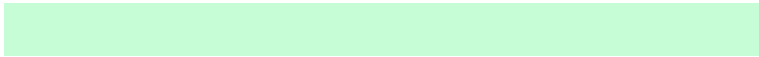
87.1114, 0.3010, 0.3717



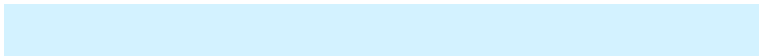
87.1114, 0.2733, 0.3447

Triad

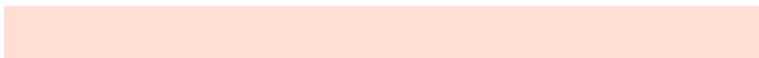
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1114, 0.3010, 0.3717



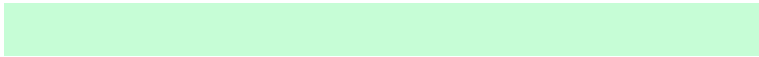
87.1114, 0.2659, 0.2779



87.1114, 0.3724, 0.3388

Complementary

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



87.1114, 0.3010, 0.3717



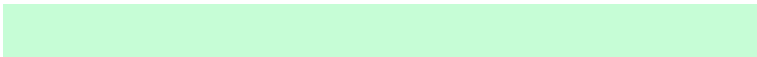
67.3692, 0.3269, 0.2898

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.



87.1114, 0.3527, 0.3127



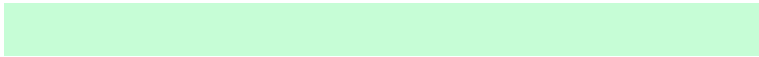
87.1114, 0.3010, 0.3717



87.1114, 0.2905, 0.2786

Square

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



87.1114, 0.3010, 0.3717



87.1114, 0.2538, 0.2902



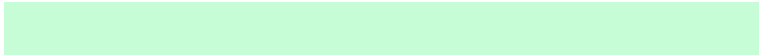
87.1114, 0.3222, 0.2912



87.1114, 0.3751, 0.3640

Rectangle

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



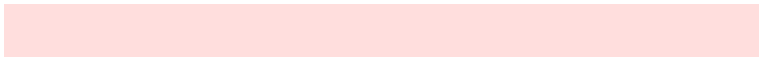
87.1114, 0.3010, 0.3717



87.1114, 0.2606, 0.3242



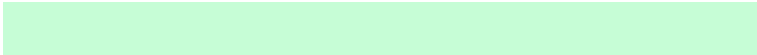
87.1114, 0.3222, 0.2912



87.1114, 0.3675, 0.3299

Sweetspot

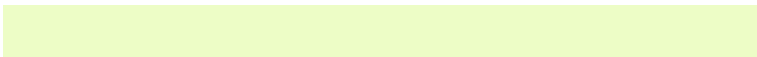
The Sweet Spot groups the original color and five complimentary colors.



87.1151, 0.3010, 0.3717



95.9820, 0.3089, 0.3415



92.4119, 0.3352, 0.3854



20.4736, 0.3086, 0.3427



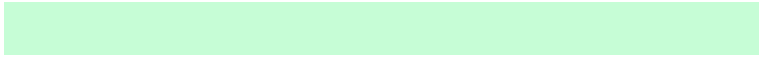
0.0000, 0.0000, 0.0000



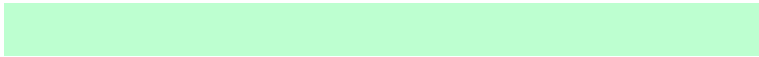
21.4041, 0.3127, 0.3290

Same Dimension

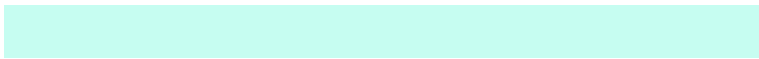
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1151, 0.3010, 0.3717



86.8547, 0.2988, 0.3813



88.6166, 0.2864, 0.3416



20.2552, 0.3076, 0.3463



37.6531, 0.2895, 0.5621



3.6842, 0.2833, 0.5400

Inverse Universe

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



67.3692, 0.3269, 0.2898



63.5648, 0.3302, 0.2819



65.9032, 0.3476, 0.3168



18.2049, 0.3183, 0.3123



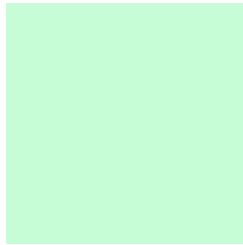
12.8742, 0.4115, 0.2041



1.2726, 0.3987, 0.1970

Previews

White Background



This preview shows how the Yxy color 87.1114, 0.3010, 0.3717 looks on a white background.

Color Contrast Check

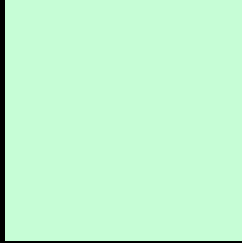
Large Text (above 18pt) WCAG AA × Fail

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 87.1114, 0.3010, 0.3717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

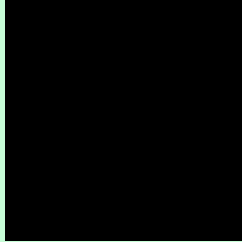
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

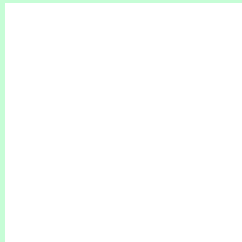
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1114, 0.3010, 0.3717

Background



This preview shows how black text looks on a background with the Yxy color 87.1114, 0.3010, 0.3717.

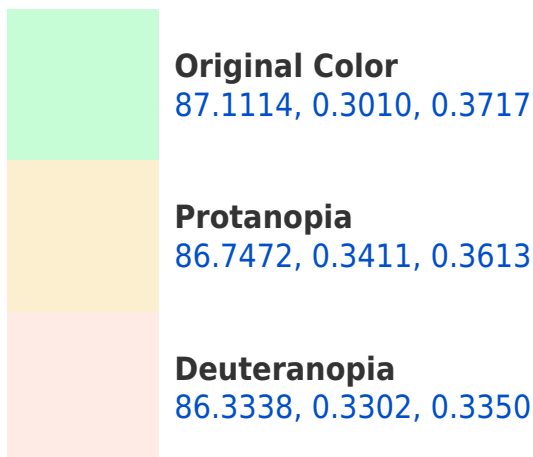


This preview shows how white text looks on a background with the Yxy color 87.1114, 0.3010, 0.3717.

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

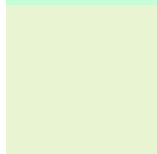
86.6933, 0.2920, 0.3167

Trichromacy



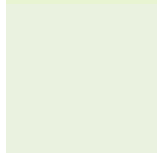
Original Color

87.1114, 0.3010, 0.3717



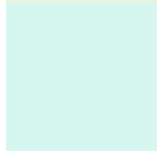
Protanomaly

86.5103, 0.3255, 0.3645



Deuteranomaly

86.3785, 0.3184, 0.3475



Tritanomaly

86.9589, 0.2956, 0.3363

Monochromacy



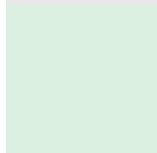
Original Color

87.1114, 0.3010, 0.3717



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.9721, 0.3087, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1114, 0.3010, 0.3717 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(198, 253, 214)` looks like.

```
.text, #text, p{  
    color:rgb(198, 253, 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(198, 253, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 253, 214) }
```

Border

The CSS property to change the border of an element to Yxy 87.1114, 0.3010, 0.3717 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(198, 253, 214) }
```

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

```
.border{ border-color:rgb(198, 253, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 253, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 253, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 253, 214);  
box-shadow:4px 4px 4px 4px rgb(198, 253,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1114, 0.3010, 0.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 253, 214) }
```

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

```
.background{ background-color: rgb(198,  
253, 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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