

Converting Colors

Yxy(87.4036, 0.3120, 0.3967)

Have a look what the booklet for
Yxy(87.4036, 0.3120, 0.3967)
contains.

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Color

Yxy(87.4208, 0.3120, 0.3965)

Conversions

Conversions Part 1

Format	Color
Hex	C6FFC2
RGB	198, 255, 194
RGB Percent	78%, 100%, 76%
CMY	0.2234, 0.0000, 0.2393
CMYK	0.22, 0.00, 0.24, 0.00
HSL	116°, 100%, 88%
HSV	116°, 24%, 100%
XYZ	68.7901, 87.4208, 64.2703
YIQ	231.0030, -14.3910, -31.0550

Conversions

Conversions Part 2

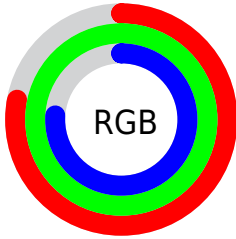
Format	Color
RYB	194, 255, 251
Decimal	13041602
CIELab	94.92, -29.17, 23.47
CIElCh	95, 37.438, 141.187
Yxy	87.4208, 0.3120, 0.3965
Android (android.graphics.Color)	4291231682 (0xFFC6FFC2)
YUV	231.0030, -18.2425, -28.9436
Hunter-Lab	93.4991, -32.2955, 24.6941

Details

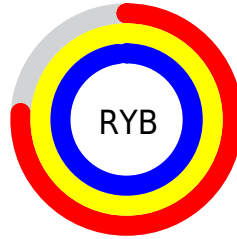
The Yxy color **87.4208, 0.3120, 0.3965** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.2898, 0.3125, 0.2687**, and the grayscale version is **80.0648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.7450, 0.3150, 0.3328**, and **48.1213, 0.3110, 0.4128** is the 20% darker color. If you saturate the color by 10%, you get **83.3900, 0.3113, 0.4299**, and if you desaturate by 10%, it is **92.1634, 0.3124, 0.3660**.

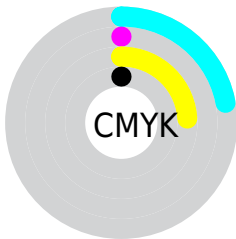
Distribution



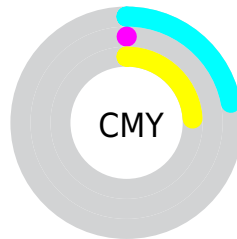
- Red (78%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (98%)



- Cyan (22%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4208, 0.3120, 0.3965 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 87.4208, 0.3120, 0.3965 by changing the saturation by 10% instead.

 87.4208, 0.3120,
0.3965

 87.4208, 0.3120,
0.3965

519.6046, 0.3130,
0.3650

 65.8435, 0.3116,
0.4037


 143.7505, 0.3125,
0.3855

 48.1454, 0.3110,
0.4127


179.2717, 0.3126,
0.3813

 33.9420, 0.3102,
0.4241

220.2097, 0.3128,
0.3776

 22.8491, 0.3088,
0.4390

266.9488, 0.3128,
0.3744

 14.4821, 0.3066,
0.4592

319.8734, 0.3129,
0.3716

 8.4567, 0.3026,
0.4883


379.3680, 0.3130,


 4.3886, 0.2945,


0.3692

0.5330


445.8170, 0.3130,
0.3670


 1.8932, 0.2949,
0.6510


 0.5443, 0.0000,
1.0000


 87.4208, 0.3120,
0.3965

 87.4208, 0.3120,
0.3965

 83.3900, 0.3113,
0.4299


 92.1634, 0.3124,
0.3660

 80.0270, 0.3103,
0.4652

 97.6389, 0.3127,
0.3388

 77.2987, 0.3090,
0.5007

100.0000, 0.3127,
0.3290

 75.1652, 0.3073,
0.5339

■ 73.5820, 0.3055,
0.5622

■ 72.4982, 0.3036,
0.5830

■ 71.8536, 0.3018,
0.5953

■ 71.6389, 0.3010,
0.5992

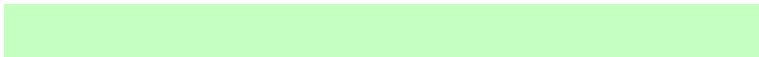
Harmonies

Analogous

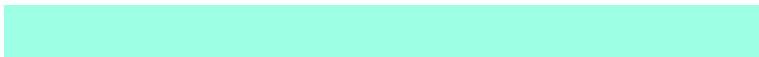
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4208, 0.3535, 0.4054



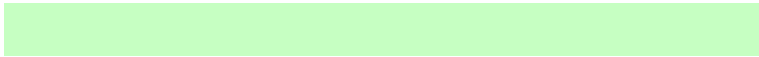
87.4208, 0.3120, 0.3965



87.4208, 0.2724, 0.3649

Triad

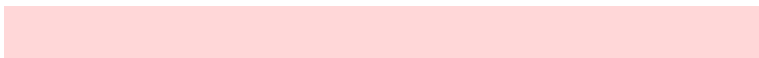
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4208, 0.3120, 0.3965



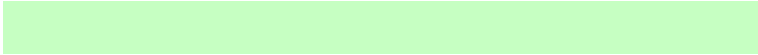
87.4208, 0.2433, 0.2654



87.4208, 0.3853, 0.3281

Complementary

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



87.4208, 0.3120, 0.3965



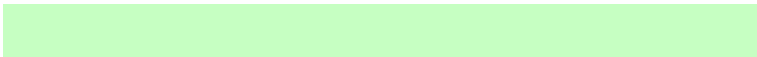
66.2898, 0.3125, 0.2687

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.



87.4208, 0.3518, 0.2960



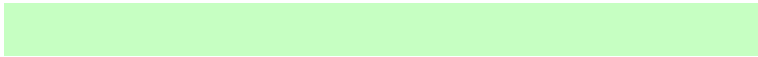
87.4208, 0.3120, 0.3965



87.4208, 0.2696, 0.2608

Square

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



87.4208, 0.3120, 0.3965



87.4208, 0.2346, 0.2870



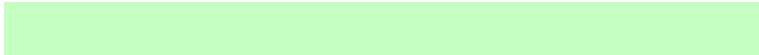
87.4208, 0.3088, 0.2720



87.4208, 0.3976, 0.3623

Rectangle

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



87.4208, 0.3120, 0.3965



87.4208, 0.2522, 0.3372



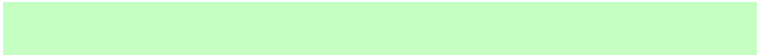
87.4208, 0.3088, 0.2720



87.4208, 0.3760, 0.3168

Sweetspot

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



87.4242, 0.3120, 0.3965



95.8788, 0.3126, 0.3468



94.1055, 0.3499, 0.3853



20.4497, 0.3126, 0.3484



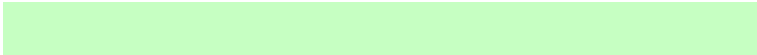
0.0000, 0.0000, 0.0000



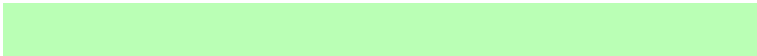
21.4041, 0.3127, 0.3290

Same Dimension

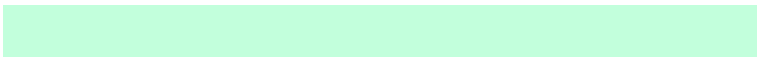
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4242, 0.3120, 0.3965



85.2937, 0.3117, 0.4131



88.1753, 0.2952, 0.3667



20.2258, 0.3126, 0.3535



37.4542, 0.3014, 0.5989



3.6660, 0.3046, 0.5964

Inverse Universe

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



66.2898, 0.3125, 0.2687



60.6268, 0.3123, 0.2557



65.4641, 0.3352, 0.2941



18.2352, 0.3127, 0.3055



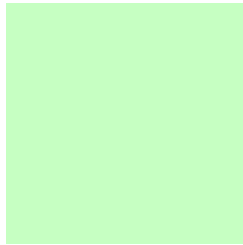
13.2998, 0.3042, 0.1450



1.3127, 0.3063, 0.1461

Previews

White Background



This preview shows how the Yxy color 87.4208, 0.3120, 0.3965 looks on a white background.

Color Contrast Check

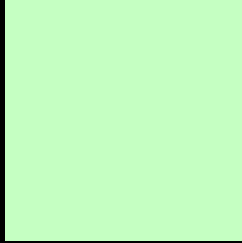
Large Text (above 18pt) WCAG AA × Fail

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 87.4208, 0.3120, 0.3965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

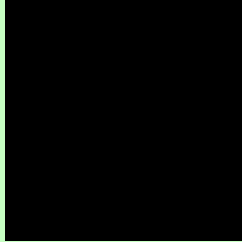
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

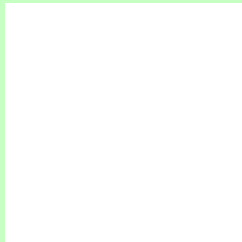
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4208, 0.3120, 0.3965

Background



This preview shows how black text looks on a background with the Yxy color 87.4208, 0.3120, 0.3965.

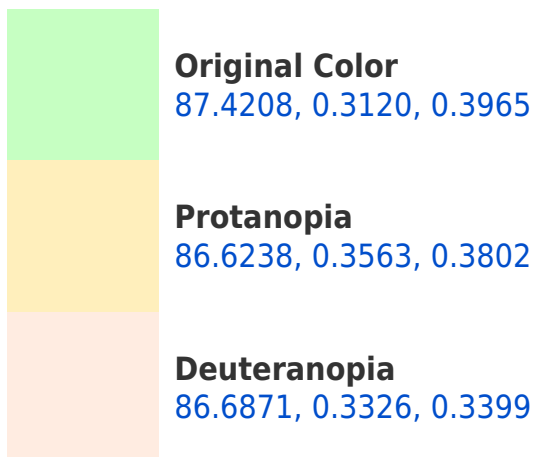


This preview shows how white text looks on a background with the Yxy color 87.4208, 0.3120, 0.3965.

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

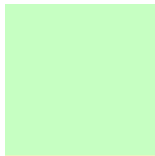




Tritanopia

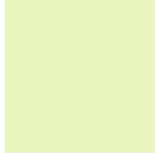
87.0092, 0.2932, 0.3167

Trichromacy



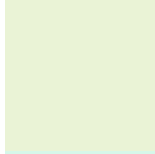
Original Color

87.4208, 0.3120, 0.3965



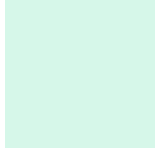
Protanomaly

86.5149, 0.3390, 0.3866



Deuteranomaly

86.4486, 0.3245, 0.3591



Tritanomaly

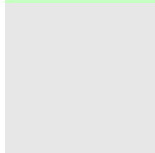
86.7009, 0.3001, 0.3437

Monochromacy



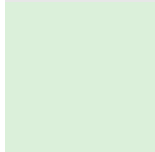
Original Color

87.4208, 0.3120, 0.3965



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.4422, 0.3123, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4208, 0.3120, 0.3965 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, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(198, 255, 194)  
}
```

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, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 87.4208, 0.3120, 0.3965 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, 255, 194) }
```

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

```
.border{ border-color:rgb(198, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(198, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4208, 0.3120, 0.3965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 255, 194) }
```

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

```
.background{ background-color: rgb(198,  
255, 194) }
```

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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