

Converting Colors

$Y_{xy}(100.0000, 0.3068, 0.4083)$

Have a look what the booklet for
Yxy(100.0000, 0.3068, 0.4083)
contains.

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Color

Yxy(87.4259, 0.3075, 0.3898)

Conversions

Conversions Part 1

Format	Color
Hex	C4FFC8
RGB	196, 255, 200
RGB Percent	77%, 100%, 78%
CMY	0.2310, 0.0001, 0.2156
CMYK	0.23, 0.00, 0.22, 0.00
HSL	124°, 100%, 88%
HSV	124°, 23%, 100%
XYZ	68.9673, 87.4259, 67.8908
YIQ	231.0890, -17.5090, -29.6130

Conversions

Conversions Part 2

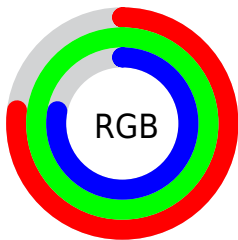
Format	Color
RYB	196, 251, 255
Decimal	12910536
CIELab	94.92, -28.80, 20.38
CIELCh	95, 35.276, 144.716
Yxy	87.4259, 0.3075, 0.3898
Android (android.graphics.Color)	4291100616 (0xFFC4FFC8)
YUV	231.0890, -15.3269, -30.7731
Hunter-Lab	93.5018, -31.9658, 22.4014

Details

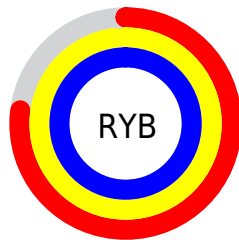
The Yxy color **87.4259, 0.3075, 0.3898** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.7439, 0.3182, 0.2749**, and the grayscale version is **80.1211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.1262, 0.3055, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **83.2664, 0.3052, 0.4213**, and if you desaturate by 10%, it is **92.3472, 0.3098, 0.3613**.

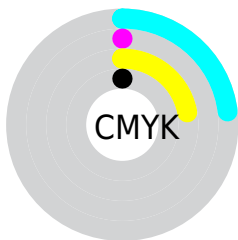
Distribution



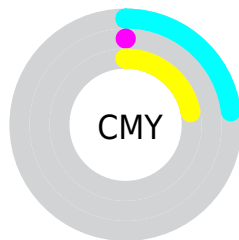
- Red (77%)
- Green (100%)
- Blue (78%)



- Red (77%)
- Yellow (98%)
- Blue (100%)



- Cyan (23%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.4259, 0.3075, 0.3898 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 87.4259, 0.3075, 0.3898 by changing the saturation by 10% instead.

 87.4259, 0.3075,
0.3898

 87.4259, 0.3075,
0.3898

519.6213, 0.3104,
0.3615

 65.8477, 0.3067,
0.3963


143.7576, 0.3086,
0.3799

 48.1488, 0.3057,
0.4044


179.2800, 0.3090,
0.3761

 33.9447, 0.3043,
0.4146

220.2191, 0.3093,
0.3728

 22.8511, 0.3023,
0.4280

266.9595, 0.3096,
0.3700

 14.4836, 0.2993,
0.4462

319.8856, 0.3099,
0.3674

 8.4578, 0.2945,
0.4725


379.3816, 0.3101,


 4.3893, 0.2858,

0.3652


0.5132


445.8321, 0.3103,
0.3632

 1.8936, 0.2766,
0.6041


 0.5445, 0.0000,
1.0000


 87.4259, 0.3075,
0.3898


 87.4259, 0.3075,
0.3898


 83.2664, 0.3052,
0.4213


 92.3472, 0.3098,
0.3613

 79.8202, 0.3029,
0.4549

 98.0538, 0.3121,
0.3361

 77.0504, 0.3009,
0.4894

 99.9918, 0.3127,
0.3290

 74.9125, 0.2994,
0.5226

■ 73.3566, 0.2985,
0.5520

■ 72.3251, 0.2983,
0.5753

■ 71.7487, 0.2987,
0.5908

■ 71.5523, 0.2992,
0.5970

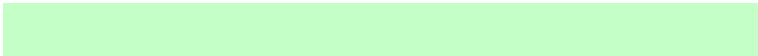
Harmonies

Analogous

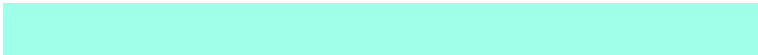
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4259, 0.3470, 0.4011



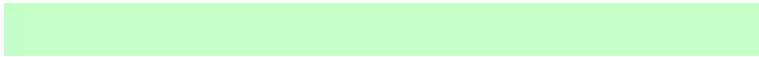
87.4259, 0.3075, 0.3898



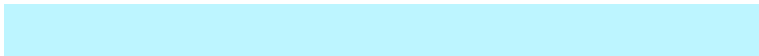
87.4259, 0.2709, 0.3584

Triad

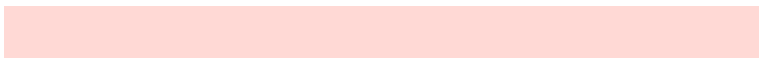
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4259, 0.3075, 0.3898



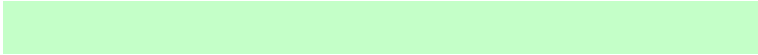
87.4259, 0.2492, 0.2676



87.4259, 0.3836, 0.3322

Complementary

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



87.4259, 0.3075, 0.3898



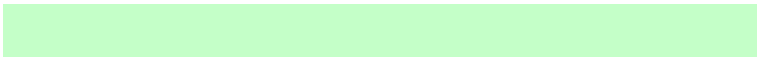
67.7439, 0.3182, 0.2749

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.



87.4259, 0.3540, 0.3011



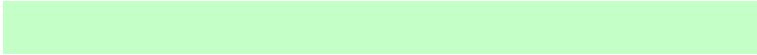
87.4259, 0.3075, 0.3898



87.4259, 0.2759, 0.2650

Square

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



87.4259, 0.3075, 0.3898



87.4259, 0.2388, 0.2863



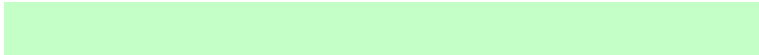
87.4259, 0.3140, 0.2772



87.4259, 0.3925, 0.3644

Rectangle

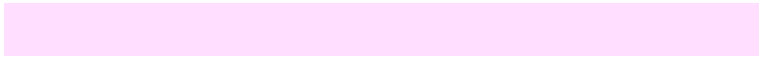
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4259, 0.3075, 0.3898



87.4259, 0.2528, 0.3322



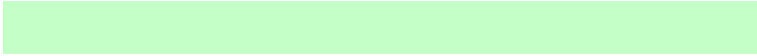
87.4259, 0.3140, 0.2772



87.4259, 0.3756, 0.3214

Sweetspot

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



87.4296, 0.3075, 0.3898



95.7435, 0.3112, 0.3456



96.0216, 0.3451, 0.3874



20.4185, 0.3111, 0.3471



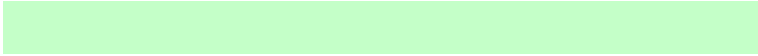
0.0000, 0.0000, 0.0000



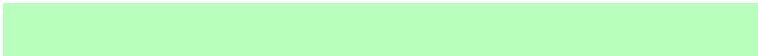
21.4041, 0.3127, 0.3290

Same Dimension

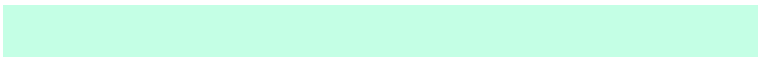
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4296, 0.3075, 0.3898



85.3076, 0.3063, 0.4049



88.9418, 0.2916, 0.3565



20.1878, 0.3106, 0.3519



37.3992, 0.2989, 0.5959



3.6480, 0.2963, 0.5865

Inverse Universe

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



67.7439, 0.3182, 0.2749



62.2920, 0.3195, 0.2633



66.0283, 0.3403, 0.3031



18.2782, 0.3148, 0.3071



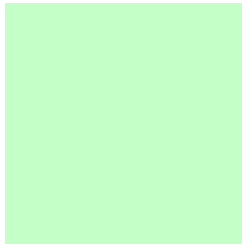
14.3429, 0.3384, 0.1638



1.4026, 0.3362, 0.1626

Previews

White Background



This preview shows how the Yxy color 87.4259, 0.3075, 0.3898 looks on a white background.

Color Contrast Check

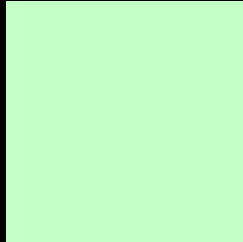
Large Text (above 18pt) WCAG AA × Fail

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 87.4259, 0.3075, 0.3898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

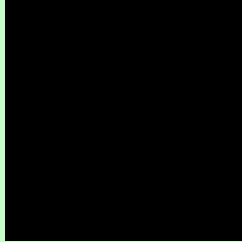
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

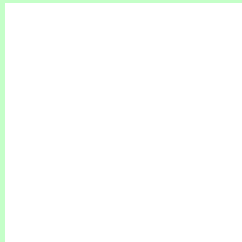
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4259, 0.3075, 0.3898

Background



This preview shows how black text looks on a background with the Yxy color 87.4259, 0.3075, 0.3898.

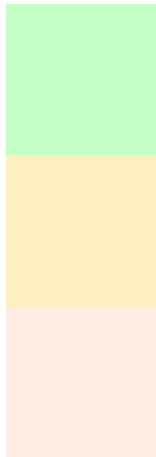


This preview shows how white text looks on a background with the Yxy color 87.4259, 0.3075, 0.3898.

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

87.4259, 0.3075, 0.3898

Protanopia

86.6096, 0.3530, 0.3763

Deuteranopia

86.7419, 0.3320, 0.3389



Tritanopia

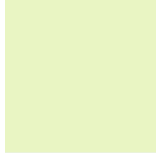
86.8508, 0.2926, 0.3167

Trichromacy



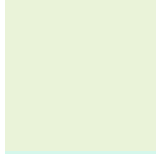
Original Color

87.4259, 0.3075, 0.3898



Protanomaly

86.5686, 0.3353, 0.3814



Deuteranomaly

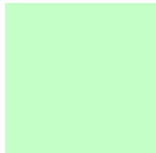
86.6034, 0.3226, 0.3559



Tritanomaly

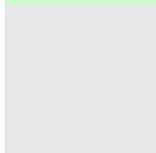
86.6658, 0.2984, 0.3416

Monochromacy



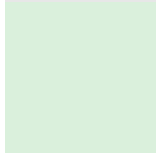
Original Color

87.4259, 0.3075, 0.3898



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3929, 0.3104, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4259, 0.3075, 0.3898 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(196, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 200)  
}
```

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(196, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 200) }
```

Border

The CSS property to change the border of an element to Yxy 87.4259, 0.3075, 0.3898 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(196, 255, 200) }
```

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

```
.border{ border-color:rgb(196, 255, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4259, 0.3075, 0.3898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 200) }
```

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

```
.background{ background-color: rgb(196,  
255, 200) }
```

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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