

Converting Colors

$Yxy(86.7820, 0.3095, 0.3831)$

Have a look what the booklet for
Yxy(86.7820, 0.3095, 0.3831)
contains.

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Color

Yxy(86.4892, 0.3096, 0.3828)

Conversions

Conversions Part 1

Format	Color
Hex	CAFCCB
RGB	202, 252, 203
RGB Percent	79%, 99%, 80%
CMY	0.2077, 0.0118, 0.2040
CMYK	0.20, 0.00, 0.19, 0.01
HSL	121°, 89%, 89%
HSV	121°, 20%, 99%
XYZ	69.9505, 86.4892, 69.4986
YIQ	231.4640, -14.0710, -25.8390

Conversions

Conversions Part 2

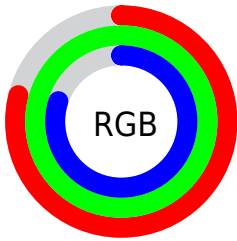
Format	Color
R _Y B	202, 251, 252
Decimal	13302987
CIE Lab	94.52, -24.96, 18.35
CIE LCh	95, 30.979, 143.670
Yxy	86.4892, 0.3096, 0.3828
Android (android.graphics.Color)	4291493067 (0xFFCAFCCB)
YUV	231.4640, -14.0328, -25.8399
Hunter-Lab	92.9996, -28.4888, 20.7922

Details

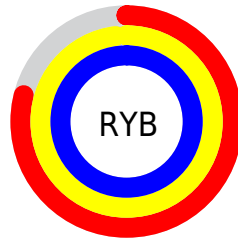
The Yxy color **86.4892, 0.3096, 0.3828** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.9160, 0.3157, 0.2805**, and the grayscale version is **80.3940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4032, 0.3081, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **82.1735, 0.3078, 0.4149**, and if you desaturate by 10%, it is **91.5741, 0.3112, 0.3540**.

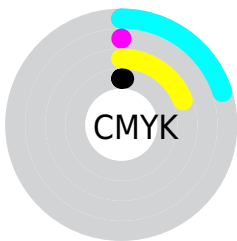
Distribution



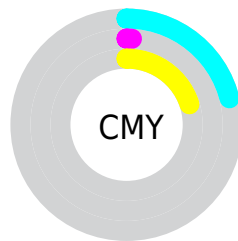
- Red (79%)
- Green (99%)
- Blue (80%)



- Red (79%)
- Yellow (98%)
- Blue (99%)



- Cyan (20%)
- Magenta (0%)
- Yellow (19%)
- Black (1%)





- Cyan (21%)
- Magenta (1%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.4892, 0.3096, 0.3828 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 86.4892, 0.3096, 0.3828 by changing the saturation by 10% instead.


 86.4892, 0.3096,
0.3828

 86.4892, 0.3096,
0.3828


516.5429, 0.3114,
0.3578

 65.0726, 0.3091,
0.3885


142.4520, 0.3103,
0.3741

 47.5199, 0.3084,
0.3956


177.7669, 0.3106,
0.3707

 33.4469, 0.3074,
0.4046


218.4834, 0.3108,
0.3678

 22.4690, 0.3061,
0.4164

264.9858, 0.3110,
0.3653

 14.2019, 0.3040,
0.4325

317.6586, 0.3111,
0.3631

 8.2612, 0.3005,
0.4556


376.8861, 0.3112,

 4.2626, 0.2941,


0.3611


0.4914


443.0527, 0.3114,
0.3594


 1.8215, 0.2870,
0.5675


 0.5005, 0.0000,
1.0000


 86.4892, 0.3096,
0.3828


 86.4892, 0.3096,
0.3828


 82.1735, 0.3078,
0.4149

 91.5741, 0.3112,
0.3540

 78.5793, 0.3060,
0.4496

 97.4513, 0.3127,
0.3286

 75.6704, 0.3042,
0.4853

 98.1016, 0.3128,
0.3262

 73.4034, 0.3026,
0.5200

■ 71.7297, 0.3012,
0.5509

■ 70.5938, 0.3003,
0.5753

■ 69.9299, 0.2999,
0.5914

■ 69.6359, 0.2998,
0.5991

■ 69.6322, 0.2998,
0.5992

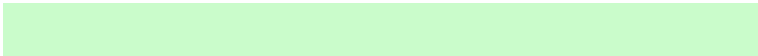
Harmonies

Analogous

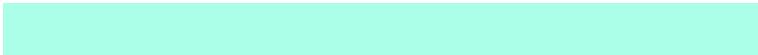
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4892, 0.3444, 0.3923



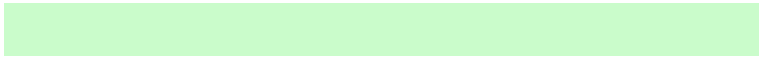
86.4892, 0.3096, 0.3828



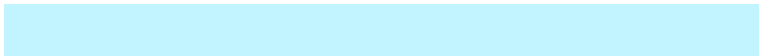
86.4892, 0.2769, 0.3560

Triad

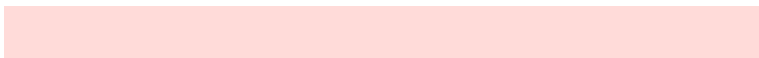
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.4892, 0.3096, 0.3828



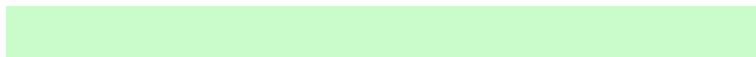
86.4892, 0.2558, 0.2750



86.4892, 0.3744, 0.3311

Complementary

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



86.4892, 0.3096, 0.3828



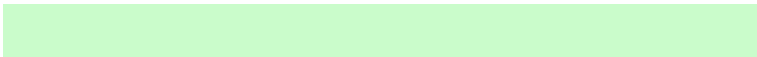
69.9160, 0.3157, 0.2805

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.



86.4892, 0.3480, 0.3035



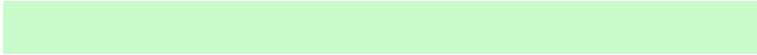
86.4892, 0.3096, 0.3828



86.4892, 0.2792, 0.2719

Square

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



86.4892, 0.3096, 0.3828



86.4892, 0.2470, 0.2924



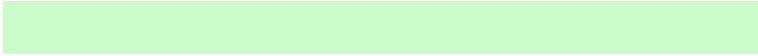
86.4892, 0.3127, 0.2823



86.4892, 0.3831, 0.3598

Rectangle

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



86.4892, 0.3096, 0.3828



86.4892, 0.2604, 0.3333



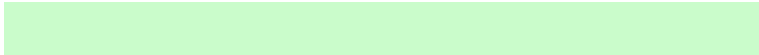
86.4892, 0.3127, 0.2823



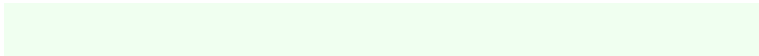
86.4892, 0.3672, 0.3215

Sweetspot

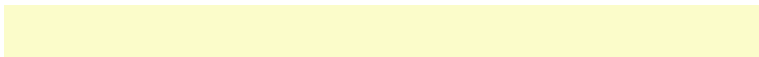
The Sweet Spot groups the original color and five complimentary colors.



86.4929, 0.3096, 0.3828



96.2838, 0.3118, 0.3438



94.4275, 0.3421, 0.3787



20.5260, 0.3117, 0.3455



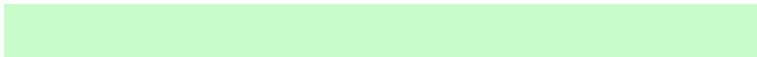
0.0000, 0.0000, 0.0000



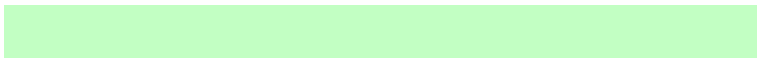
21.4041, 0.3127, 0.3290

Same Dimension

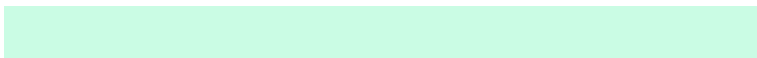
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.4929, 0.3096, 0.3828



86.9021, 0.3089, 0.3959



87.7745, 0.2958, 0.3549



19.3147, 0.3113, 0.3530



36.2742, 0.2997, 0.5988



3.3615, 0.2989, 0.5959

Inverse Universe

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



69.9160, 0.3157, 0.2805



66.8989, 0.3164, 0.2701



68.4494, 0.3337, 0.3045



17.5185, 0.3141, 0.3061



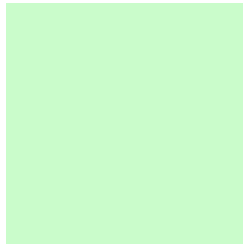
14.2859, 0.3258, 0.1568



1.3249, 0.3252, 0.1565

Previews

White Background



This preview shows how the Yxy color 86.4892, 0.3096, 0.3828 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 86.4892, 0.3096, 0.3828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

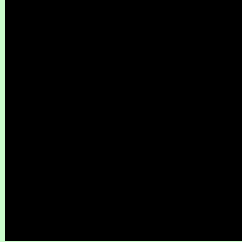
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

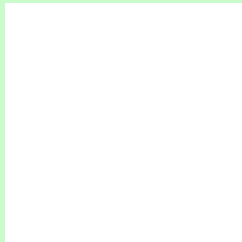
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.4892, 0.3096, 0.3828

Background



This preview shows how black text looks on a background with the Yxy color 86.4892, 0.3096, 0.3828.

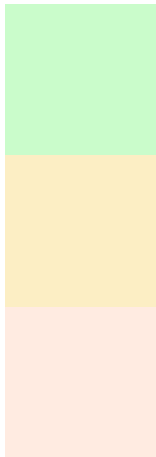


This preview shows how white text looks on a background with the Yxy color 86.4892, 0.3096, 0.3828.

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

86.4892, 0.3096, 0.3828

Protanopia

85.8300, 0.3492, 0.3715

Deuteranopia

86.1129, 0.3328, 0.3390



Tritanopia

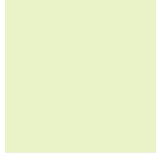
86.2539, 0.2925, 0.3157

Trichromacy



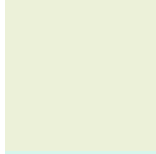
Original Color

86.4892, 0.3096, 0.3828



Protanomaly

85.7171, 0.3338, 0.3750



Deuteranomaly

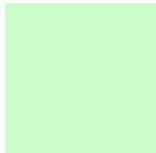
85.7532, 0.3242, 0.3538



Tritanomaly

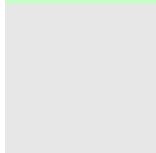
86.4147, 0.2990, 0.3395

Monochromacy



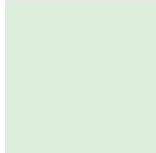
Original Color

86.4892, 0.3096, 0.3828



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.1691, 0.3112, 0.3482

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.4892, 0.3096, 0.3828 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(202, 252, 203)` looks like.

```
.text, #text, p{  
    color:rgb(202, 252, 203)  
}
```

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(202, 252, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 252, 203) }
```

Border

The CSS property to change the border of an element to Yxy 86.4892, 0.3096, 0.3828 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(202, 252, 203) }
```

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

```
.border{ border-color:rgb(202, 252, 203) }
```

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

Here you see how a box with a 4 pixel rgb(202, 252, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 252, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 252, 203);  
box-shadow:4px 4px 4px 4px rgb(202, 252,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 86.4892, 0.3096, 0.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 252, 203) }
```

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

```
.background{ background-color: rgb(202,  
252, 203) }
```

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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