

Converting Colors

$Yxy(89.1615, 0.3092, 0.3837)$

Have a look what the booklet for
Yxy(89.1615, 0.3092, 0.3837)
contains.

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Color

Yxy(88.7651, 0.3096, 0.3833)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFCD
RGB	204, 255, 205
RGB Percent	80%, 100%, 80%
CMY	0.1997, 0.0000, 0.1960
CMYK	0.20, 0.00, 0.20, 0.00
HSL	121°, 100%, 90%
HSV	121°, 20%, 100%
XYZ	71.6976, 88.7651, 71.1186
YIQ	234.0510, -14.3460, -26.3620

Conversions

Conversions Part 2

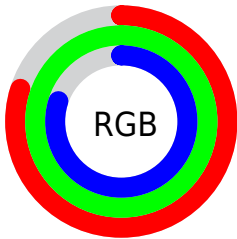
Format	Color
RYB	204, 254, 255
Decimal	13434829
CIELab	95.48, -25.37, 18.68
CIELCh	95, 31.508, 143.635
Yxy	88.7651, 0.3096, 0.3833
Android (android.graphics.Color)	4291624909 (0xFFCCFFCD)
YUV	234.0510, -14.3221, -26.3547
Hunter-Lab	94.2152, -29.0386, 21.1955

Details

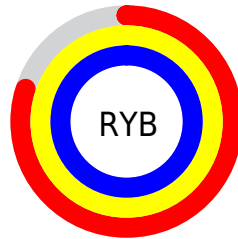
The Yxy color **88.7651, 0.3096, 0.3833** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.6390, 0.3157, 0.2801**, and the grayscale version is **82.4516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0121, 0.3081, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **84.3403, 0.3078, 0.4155**, and if you desaturate by 10%, it is **93.9807, 0.3112, 0.3544**.

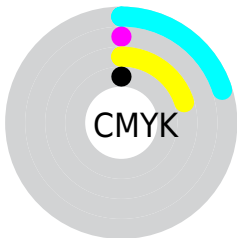
Distribution



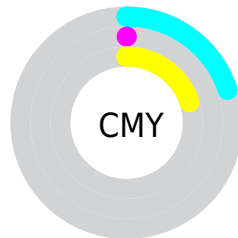
- Red (80%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (100%)



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





- Cyan (20%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.7651, 0.3096, 0.3833 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 88.7651, 0.3096, 0.3833 by changing the saturation by 10% instead.


 88.7651, 0.3096,
0.3833

 88.7651, 0.3096,
0.3833


524.0055, 0.3115,
0.3582

 66.9569, 0.3091,
0.3890

145.6219, 0.3103,
0.3746

 49.0496, 0.3084,
0.3961


181.4392, 0.3106,
0.3712

 34.6588, 0.3075,
0.4051

222.6951, 0.3108,
0.3683

 23.4002, 0.3061,
0.4168


269.7738, 0.3110,
0.3657

 14.8893, 0.3040,
0.4326

323.0598, 0.3111,
0.3635

 8.7417, 0.3007,
0.4553

382.9375, 0.3112,

 4.5731, 0.2944,

0.3615

0.4903

449.7913, 0.3114,
0.3597

■ 1.9990, 0.2852,
0.5584

■ 0.6069, 0.0000,
1.0000

■ 88.7651, 0.3096,
0.3833

■ 88.7651, 0.3096,
0.3833

■ 84.3403, 0.3078,
0.4155

■ 93.9807, 0.3112,
0.3544

■ 80.6572, 0.3060,
0.4502

99.9923, 0.3127,
0.3290

■ 77.6786, 0.3042,
0.4860

■ 75.3595, 0.3026,
0.5207

■ 73.6499, 0.3012,
0.5515

■ 72.4925, 0.3003,
0.5758

■ 71.8192, 0.2999,
0.5917

■ 71.5233, 0.2998,
0.5992

■ 71.5226, 0.2998,
0.5992

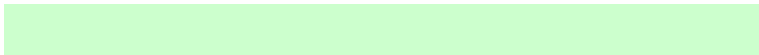
Harmonies

Analogous

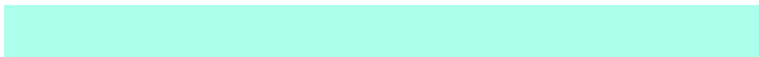
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7651, 0.3447, 0.3928



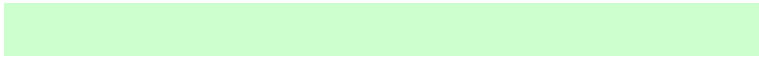
88.7651, 0.3096, 0.3833



88.7651, 0.2766, 0.3562

Triad

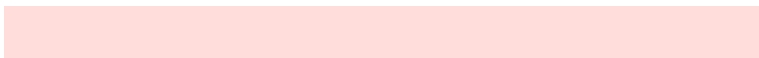
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.7651, 0.3096, 0.3833



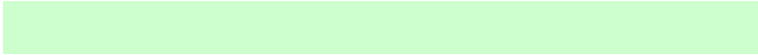
88.7651, 0.2553, 0.2746



88.7651, 0.3749, 0.3311

Complementary

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



88.7651, 0.3096, 0.3833



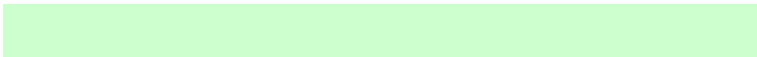
71.6390, 0.3157, 0.2801

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.



88.7651, 0.3483, 0.3032



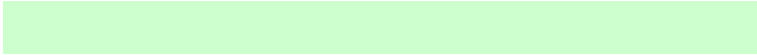
88.7651, 0.3096, 0.3833



88.7651, 0.2789, 0.2714

Square

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



88.7651, 0.3096, 0.3833



88.7651, 0.2465, 0.2921



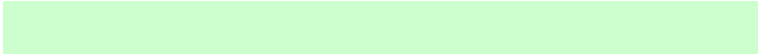
88.7651, 0.3127, 0.2819



88.7651, 0.3837, 0.3600

Rectangle

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



88.7651, 0.3096, 0.3833



88.7651, 0.2600, 0.3333



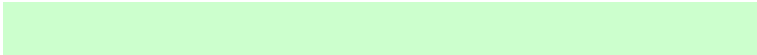
88.7651, 0.3127, 0.2819



88.7651, 0.3677, 0.3214

Sweetspot

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



88.7689, 0.3096, 0.3833



96.2830, 0.3118, 0.3439



96.9728, 0.3424, 0.3790



20.5258, 0.3117, 0.3456



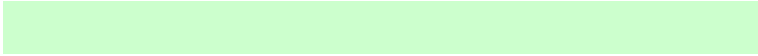
0.0000, 0.0000, 0.0000



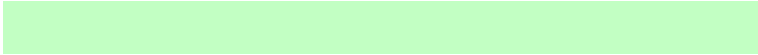
21.4041, 0.3127, 0.3290

Same Dimension

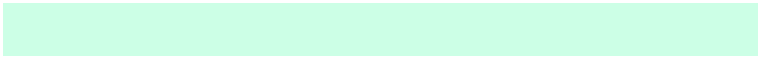
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7689, 0.3096, 0.3833



86.8996, 0.3089, 0.3959



90.0951, 0.2957, 0.3551



20.1736, 0.3113, 0.3531



37.3784, 0.2997, 0.5989



3.6412, 0.2989, 0.5962

Inverse Universe

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



71.6390, 0.3157, 0.2801



66.9024, 0.3163, 0.2701



70.1194, 0.3339, 0.3043



18.2943, 0.3141, 0.3060



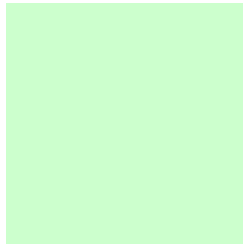
14.7282, 0.3256, 0.1567



1.4358, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 88.7651, 0.3096, 0.3833 looks on a white background.

Color Contrast Check

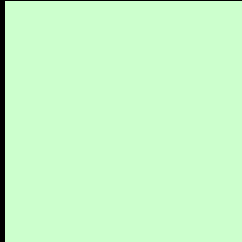
Large Text (above 18pt) WCAG AA × Fail

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 88.7651, 0.3096, 0.3833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

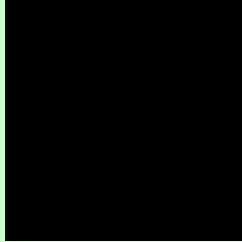
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

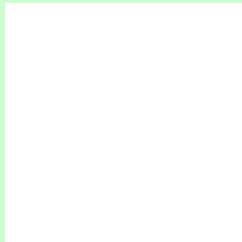
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.7651, 0.3096, 0.3833

Background



This preview shows how black text looks on a background with the Yxy color 88.7651, 0.3096, 0.3833.

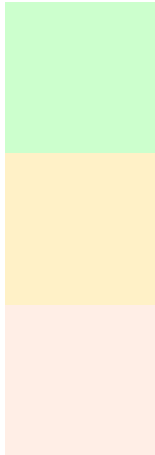


This preview shows how white text looks on a background with the Yxy color 88.7651, 0.3096, 0.3833.

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

88.7651, 0.3096, 0.3833

Protanopia

88.2941, 0.3488, 0.3710

Deuteranopia

88.1222, 0.3292, 0.3369



Tritanopia

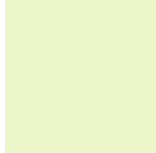
88.4153, 0.2962, 0.3179

Trichromacy



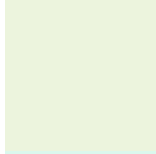
Original Color

88.7651, 0.3096, 0.3833



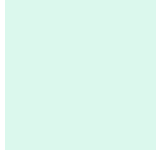
Protanomaly

87.9614, 0.3335, 0.3756



Deuteranomaly

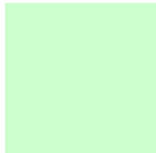
87.7547, 0.3214, 0.3526



Tritanomaly

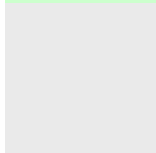
88.3093, 0.3009, 0.3404

Monochromacy



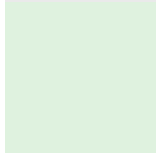
Original Color

88.7651, 0.3096, 0.3833



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.5199, 0.3118, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.7651, 0.3096, 0.3833 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(204, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 205)  
}
```

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(204, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 205) }
```

Border

The CSS property to change the border of an element to Yxy 88.7651, 0.3096, 0.3833 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(204, 255, 205) }
```

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

```
.border{ border-color:rgb(204, 255, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 88.7651, 0.3096, 0.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 205) }
```

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

```
.background{ background-color: rgb(204,  
255, 205) }
```

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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