

Converting Colors

$Y_{xy}(110.0656, 0.3011, 0.4162)$

Have a look what the booklet for
Yxy(110.0656, 0.3011, 0.4162)
contains.

Yxy(86.8749, 0.3012, 0.3847)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(86.8749, 0.3012, 0.3847)

Conversions

Conversions Part 1

Format	Color
Hex	BEFFCD
RGB	190, 255, 205
RGB Percent	75%, 100%, 80%
CMY	0.2548, 0.0000, 0.1961
CMYK	0.25, 0.00, 0.20, 0.00
HSL	134°, 100%, 87%
HSV	134°, 25%, 100%
XYZ	68.0185, 86.8749, 70.9317
YIQ	229.8650, -22.6900, -29.3300

Conversions

Conversions Part 2

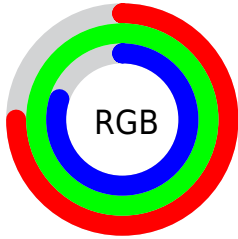
Format	Color
RYB	190, 243, 255
Decimal	12517325
CIELab	94.69, -29.86, 17.46
CIELCh	95, 34.589, 149.683
Yxy	86.8749, 0.3012, 0.3847
Android (android.graphics.Color)	4290707405 (0xFFBEFFCD)
YUV	229.8650, -12.2584, -34.9616
Hunter-Lab	93.2067, -32.8496, 20.1241

Details

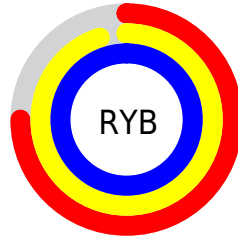
The Yxy color **86.8749, 0.3012, 0.3847** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.3939, 0.3268, 0.2791**, and the grayscale version is **79.1358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **47.7734, 0.2977, 0.3976** is the 20% darker color. If you saturate the color by 10%, you get **82.9870, 0.2970, 0.4110**, and if you desaturate by 10%, it is **91.4628, 0.3057, 0.3608**.

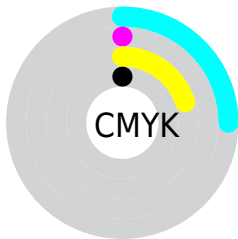
Distribution



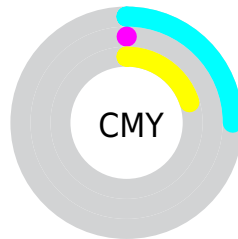
- Red (75%)
- Green (100%)
- Blue (80%)



- Red (75%)
- Yellow (95%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8749, 0.3012, 0.3847 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 86.8749, 0.3012, 0.3847 by changing the saturation by 10% instead.

 86.8749, 0.3012,
0.3847

 86.8749, 0.3012,
0.3847


517.8117, 0.3069,
0.3587

 65.3917, 0.2998,
0.3907

 142.9898, 0.3032,
0.3757

 47.7788, 0.2981,
0.3981


178.3902, 0.3040,
0.3722

 33.6517, 0.2958,
0.4075


219.1985, 0.3047,
0.3691

 22.6262, 0.2928,
0.4198

265.7990, 0.3052,
0.3665

 14.3177, 0.2885,
0.4366

318.5762, 0.3057,
0.3642

 8.3420, 0.2819,
0.4609

377.9145, 0.3061,

 4.3145, 0.2709,

0.3622

0.4989

444.1982, 0.3065,
0.3604

■ 1.8510, 0.2538,
0.5754

■ 0.5187, 0.0000,
1.0000

■ 86.8749, 0.3012,
0.3847

■ 86.8749, 0.3012,
0.3847

■ 82.9870, 0.2970,
0.4110

■ 91.4628, 0.3057,
0.3608


■ 79.7548, 0.2934,
0.4393


■ 96.7727, 0.3102,
0.3396

■ 77.1444, 0.2906,
0.4687

■ 100.0000, 0.3127,
0.3290

■ 75.1147, 0.2890,
0.4981

 73.6195, 0.2888,
0.5259

 72.6054, 0.2900,
0.5504

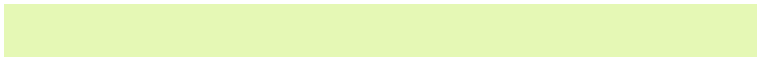
 72.0071, 0.2925,
0.5701

 71.8327, 0.2937,
0.5774

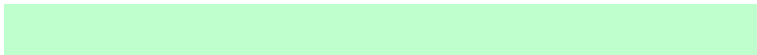
Harmonies

Analogous

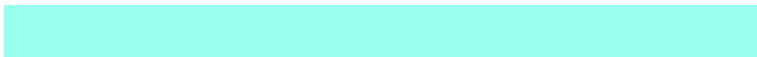
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8749, 0.3403, 0.3995



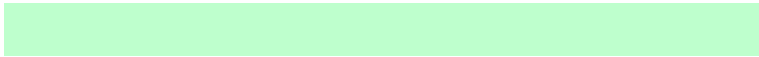
86.8749, 0.3012, 0.3847



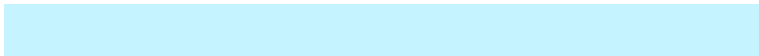
86.8749, 0.2667, 0.3516

Triad

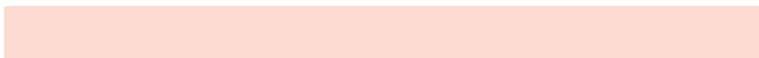
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8749, 0.3012, 0.3847



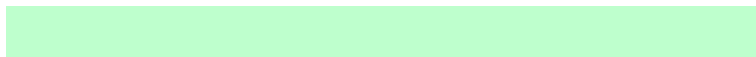
86.8749, 0.2536, 0.2671



86.8749, 0.3853, 0.3375

Complementary

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



86.8749, 0.3012, 0.3847



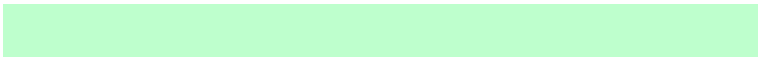
64.3939, 0.3268, 0.2791

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.



86.8749, 0.3592, 0.3063



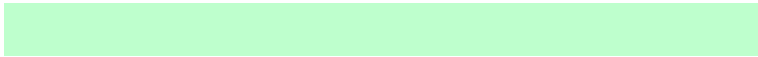
86.8749, 0.3012, 0.3847



86.8749, 0.2821, 0.2670

Square

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



86.8749, 0.3012, 0.3847



86.8749, 0.2405, 0.2830



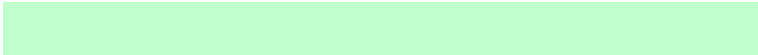
86.8749, 0.3207, 0.2812



86.8749, 0.3903, 0.3687

Rectangle

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



86.8749, 0.3012, 0.3847



86.8749, 0.2505, 0.3258



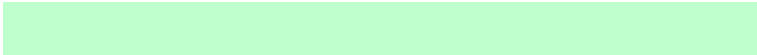
86.8749, 0.3207, 0.2812



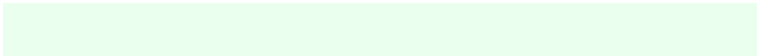
86.8749, 0.3787, 0.3268

Sweetspot

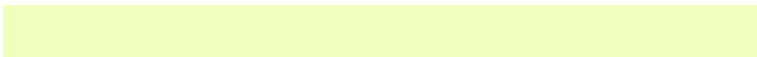
The Sweet Spot groups the original color and five complimentary colors.



86.8782, 0.3012, 0.3847



95.3637, 0.3091, 0.3447



93.9263, 0.3419, 0.3950



20.2367, 0.3084, 0.3478



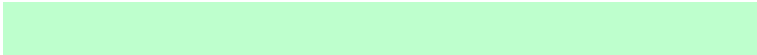
0.0000, 0.0000, 0.0000



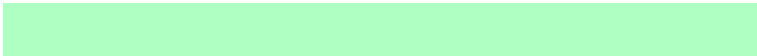
21.4041, 0.3127, 0.3290

Same Dimension

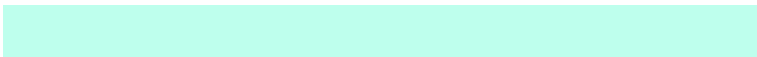
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8782, 0.3012, 0.3847



84.6460, 0.2988, 0.3989



88.5617, 0.2845, 0.3488



20.2367, 0.3084, 0.3478



37.5528, 0.2930, 0.5749



3.6722, 0.2873, 0.5544

Inverse Universe

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



64.3939, 0.3268, 0.2791



58.3939, 0.3306, 0.2680



62.6757, 0.3518, 0.3101



18.2246, 0.3173, 0.3109



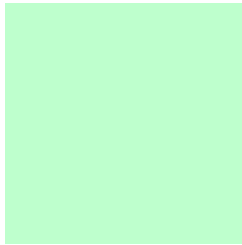
13.2224, 0.3895, 0.1919



1.3040, 0.3800, 0.1867

Previews

White Background



This preview shows how the Yxy color 86.8749, 0.3012, 0.3847 looks on a white background.

Color Contrast Check

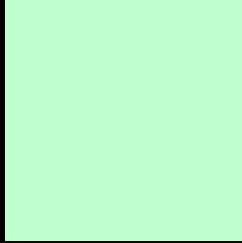
Large Text (above 18pt) WCAG AA × Fail

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 86.8749, 0.3012, 0.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

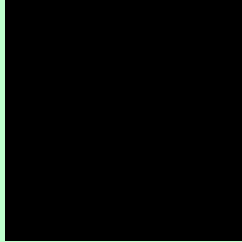
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

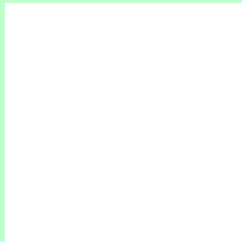
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8749, 0.3012, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 86.8749, 0.3012, 0.3847.

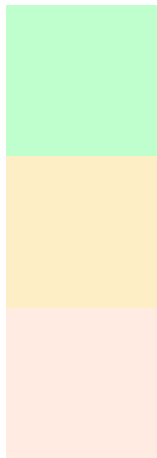


This preview shows how white text looks on a background with the Yxy color 86.8749, 0.3012, 0.3847.

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

86.8749, 0.3012, 0.3847

Protanopia

86.0629, 0.3493, 0.3704

Deuteranopia

86.1676, 0.3321, 0.3380



Tritanopia

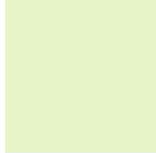
86.2266, 0.2901, 0.3166

Trichromacy



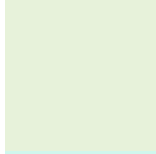
Original Color

86.8749, 0.3012, 0.3847



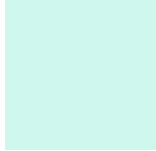
Protanomaly

85.6945, 0.3303, 0.3753



Deuteranomaly

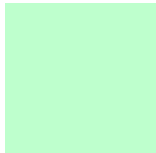
85.5551, 0.3201, 0.3540



Tritanomaly

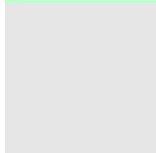
86.0459, 0.2942, 0.3396

Monochromacy



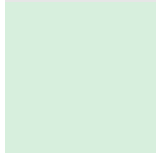
Original Color

86.8749, 0.3012, 0.3847



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.4005, 0.3079, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8749, 0.3012, 0.3847 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(190, 255, 205)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 255, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 205) }
```

Border

The CSS property to change the border of an element to Yxy 86.8749, 0.3012, 0.3847 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(190, 255, 205) }
```

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

```
.border{ border-color:rgb(190, 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(190, 255, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 205);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8749, 0.3012, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 205) }
```

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

```
.background{ background-color: rgb(190,  
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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