

Converting Colors

$Yxy(86.6953, 0.3027, 0.3883)$

Have a look what the booklet for
Yxy(86.6953, 0.3027, 0.3883)
contains.

Yxy(86.7314, 0.3028, 0.3882)	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(86.7314, 0.3028, 0.3882)

Conversions

Conversions Part 1

Format	Color
Hex	BEFFCA
RGB	190, 255, 202
RGB Percent	75%, 100%, 79%
CMY	0.2549, 0.0000, 0.2079
CMYK	0.25, 0.00, 0.21, 0.00
HSL	131°, 100%, 87%
HSV	131°, 25%, 100%
XYZ	67.6514, 86.7314, 69.0366
YIQ	229.5230, -21.7270, -30.2630

Conversions

Conversions Part 2

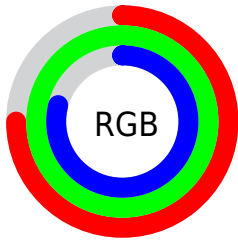
Format	Color
RYB	190, 245, 255
Decimal	12517322
CIELab	94.62, -30.40, 18.91
CIELCh	95, 35.805, 148.115
Yxy	86.7314, 0.3028, 0.3882
Android (android.graphics.Color)	4290707402 (0xFFBEFFCA)
YUV	229.5230, -13.5688, -34.6617
Hunter-Lab	93.1297, -33.3108, 21.2394

Details

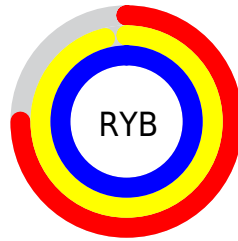
The Yxy color **86.7314, 0.3028, 0.3882** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.5546, 0.3245, 0.2763**, and the grayscale version is **78.8690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **47.6772, 0.2997, 0.4022** is the 20% darker color. If you saturate the color by 10%, you get **82.8083, 0.2992, 0.4161**, and if you desaturate by 10%, it is **91.3570, 0.3067, 0.3628**.

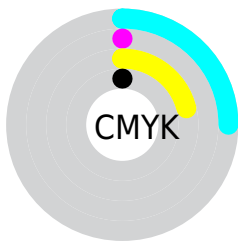
Distribution



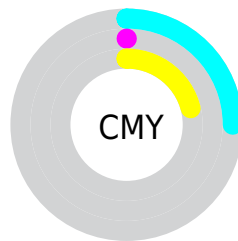
- Red (75%)
- Green (100%)
- Blue (79%)



- Red (75%)
- Yellow (96%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7314, 0.3028, 0.3882 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 86.7314, 0.3028, 0.3882 by changing the saturation by 10% instead.


 86.7314, 0.3028,
0.3882

 86.7314, 0.3028,
0.3882


517.3398, 0.3078,
0.3606

 65.2729, 0.3016,
0.3946

 142.7897, 0.3046,
0.3786

 47.6824, 0.3000,
0.4025

178.1583, 0.3053,
0.3748

 33.5755, 0.2979,
0.4125


218.9325, 0.3059,
0.3716

 22.5677, 0.2951,
0.4256

265.4966, 0.3064,
0.3688

 14.2746, 0.2909,
0.4436

318.2349, 0.3068,
0.3664

 8.3119, 0.2846,
0.4696


377.5320, 0.3072,


 4.2952, 0.2737,


0.3642

0.5102


443.7722, 0.3075,
0.3623


 1.8400, 0.2589,
0.5980


 0.5119, 0.0000,
1.0000

 86.7314, 0.3028,
0.3882


 86.7314, 0.3028,
0.3882


 82.8083, 0.2992,
0.4161


 91.3570, 0.3067,
0.3628

 79.5595, 0.2960,
0.4461

 96.7248, 0.3106,
0.3402

 76.9445, 0.2935,
0.4771

 100.0000, 0.3127,
0.3290

 74.9209, 0.2920,
0.5076

■ 73.4416, 0.2917,
0.5359

■ 72.4516, 0.2927,
0.5601

■ 71.8839, 0.2948,
0.5786

■ 71.7254, 0.2958,
0.5849

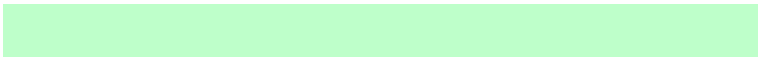
Harmonies

Analogous

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



86.7314, 0.3432, 0.4023



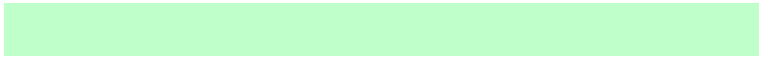
86.7314, 0.3028, 0.3882



86.7314, 0.2666, 0.3545

Triad

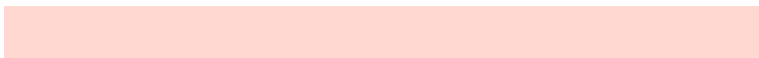
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7314, 0.3028, 0.3882



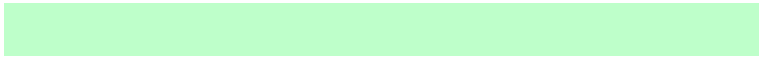
86.7314, 0.2504, 0.2654



86.7314, 0.3870, 0.3359

Complementary

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



86.7314, 0.3028, 0.3882



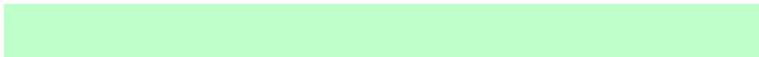
64.5546, 0.3245, 0.2763

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.



86.7314, 0.3589, 0.3039



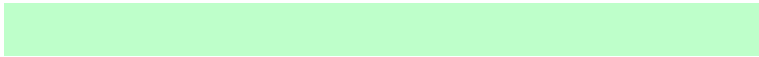
86.7314, 0.3028, 0.3882



86.7314, 0.2792, 0.2646

Square

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



86.7314, 0.3028, 0.3882



86.7314, 0.2379, 0.2826



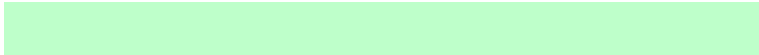
86.7314, 0.3187, 0.2785



86.7314, 0.3934, 0.3683

Rectangle

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



86.7314, 0.3028, 0.3882



86.7314, 0.2494, 0.3277



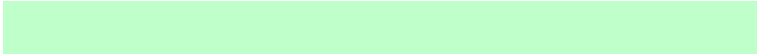
86.7314, 0.3187, 0.2785



86.7314, 0.3797, 0.3249

Sweetspot

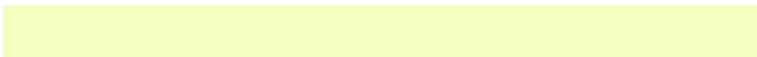
The Sweet Spot groups the original color and five complimentary colors.



86.7291, 0.3028, 0.3882



95.3085, 0.3096, 0.3456



94.3065, 0.3434, 0.3947



20.2229, 0.3090, 0.3490



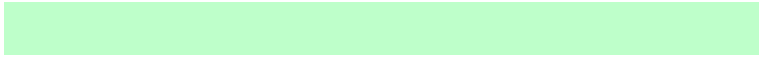
0.0000, 0.0000, 0.0000



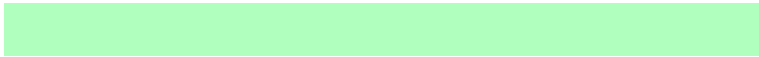
21.4041, 0.3127, 0.3290

Same Dimension

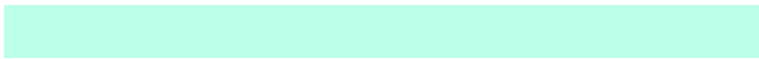
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7291, 0.3028, 0.3882



84.4850, 0.3007, 0.4033



88.4302, 0.2856, 0.3512



20.2229, 0.3090, 0.3490



37.4937, 0.2952, 0.5828



3.6646, 0.2900, 0.5641

Inverse Universe

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



64.5546, 0.3245, 0.2763



58.6076, 0.3277, 0.2647



62.7647, 0.3501, 0.3079



18.2395, 0.3166, 0.3098



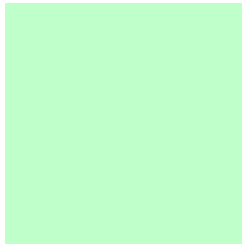
13.5087, 0.3740, 0.1834



1.3295, 0.3668, 0.1794

Previews

White Background



This preview shows how the Yxy color 86.7314, 0.3028, 0.3882 looks on a white background.

Color Contrast Check

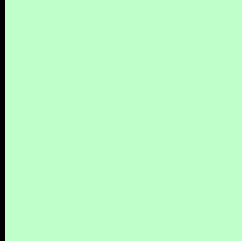
Large Text (above 18pt) WCAG AA × Fail

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 86.7314, 0.3028, 0.3882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

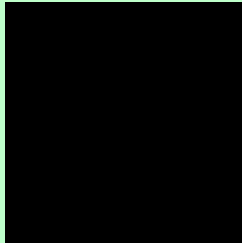
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

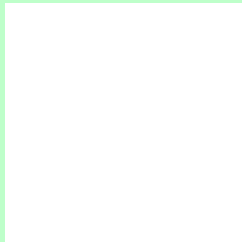
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7314, 0.3028, 0.3882

Background



This preview shows how black text looks on a background with the Yxy color 86.7314, 0.3028, 0.3882.

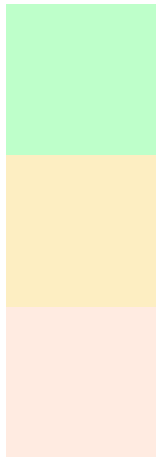


This preview shows how white text looks on a background with the Yxy color 86.7314, 0.3028, 0.3882.

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

86.7314, 0.3028, 0.3882

Protanopia

85.9268, 0.3512, 0.3734

Deuteranopia

86.1129, 0.3328, 0.3390



Tritanopia

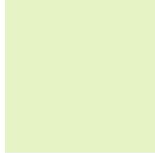
86.2266, 0.2901, 0.3166

Trichromacy



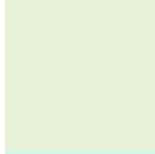
Original Color

86.7314, 0.3028, 0.3882



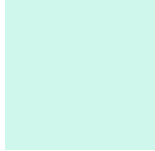
Protanomaly

85.5556, 0.3321, 0.3786



Deuteranomaly

85.5029, 0.3207, 0.3551



Tritanomaly

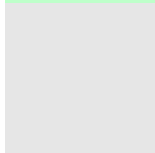
85.9876, 0.2948, 0.3406

Monochromacy



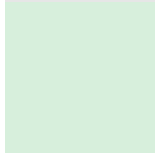
Original Color

86.7314, 0.3028, 0.3882



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.3474, 0.3085, 0.3495

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7314, 0.3028, 0.3882 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, 202)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 202)  
}
```

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, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 202) }
```

Border

The CSS property to change the border of an element to Yxy 86.7314, 0.3028, 0.3882 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, 202) }
```

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

```
.border{ border-color:rgb(190, 255, 202) }
```

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, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7314, 0.3028, 0.3882 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, 202) }
```

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

```
.background{ background-color: rgb(190,  
255, 202) }
```

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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