

Converting Colors

$Y_{xy}(100.0000, 0.3015, 0.4273)$

Have a look what the booklet for
Yxy(100.0000, 0.3015, 0.4273)
contains.

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Color

Yxy(84.4242, 0.3016, 0.4051)

Conversions

Conversions Part 1

Format	Color
Hex	B0FFBD
RGB	176, 255, 189
RGB Percent	69%, 100%, 74%
CMY	0.3097, 0.0000, 0.2588
CMYK	0.31, 0.00, 0.26, 0.00
HSL	130°, 100%, 85%
HSV	130°, 31%, 100%
XYZ	62.8545, 84.4242, 61.1247
YIQ	223.8550, -25.8980, -37.2740

Conversions

Conversions Part 2

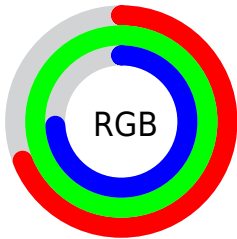
Format	Color
RYB	176, 244, 255
Decimal	11599805
CIELab	93.63, -36.95, 24.04
CIElCh	94, 44.079, 146.952
Yxy	84.4242, 0.3016, 0.4051
Android (android.graphics.Color)	4289789885 (0xFFB0FFBD)
YUV	223.8550, -17.1835, -41.9688
Hunter-Lab	91.8826, -38.6876, 24.8753

Details

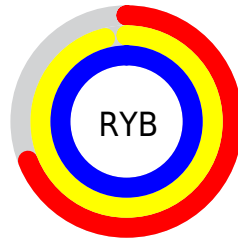
The Yxy color **84.4242, 0.3016, 0.4051** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.7357, 0.3264, 0.2633**, and the grayscale version is **74.5774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4362, 0.3049, 0.3389**, and **46.2024, 0.2983, 0.4247** is the 20% darker color. If you saturate the color by 10%, you get **80.8699, 0.2984, 0.4350**, and if you desaturate by 10%, it is **88.6799, 0.3051, 0.3776**.

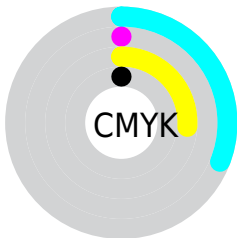
Distribution



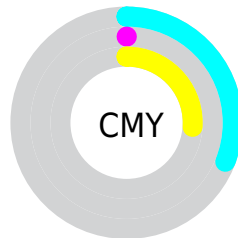
- Red (69%)
- Green (100%)
- Blue (74%)



- Red (69%)
- Yellow (96%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4242, 0.3016, 0.4051 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 84.4242, 0.3016, 0.4051 by changing the saturation by 10% instead.


 84.4242, 0.3016,
0.4051

 84.4242, 0.3016,
0.4051


509.7208, 0.3075,
0.3691

 63.3657, 0.3001,
0.4135


 139.5684, 0.3038,
0.3925

 46.1371, 0.2981,
0.4240


174.4229, 0.3046,
0.3876

 32.3541, 0.2954,
0.4373


214.6449, 0.3053,
0.3834

 21.6321, 0.2916,
0.4550

260.6188, 0.3059,
0.3798

 13.5868, 0.2860,
0.4793

312.7289, 0.3064,
0.3766

 7.8338, 0.2770,
0.5146


371.3597, 0.3068,


 3.9888, 0.2608,


0.3738

0.5701


436.8956, 0.3072,
0.3713


 1.6673, 0.2421,
0.7579


 0.4024, 0.0000,
1.0000


 84.4242, 0.3016,
0.4051

 84.4242, 0.3016,
0.4051


 80.8699, 0.2984,
0.4350


 88.6799, 0.3051,
0.3776


 77.9692, 0.2957,
0.4663

 93.6607, 0.3088,
0.3528

 75.6848, 0.2938,
0.4978

 99.4025, 0.3124,
0.3310

 73.9714, 0.2930,
0.5277

 99.9999, 0.3127,
0.3290

■ 72.7772, 0.2933,
0.5538

■ 72.0407, 0.2948,
0.5745

■ 71.6862, 0.2966,
0.5877

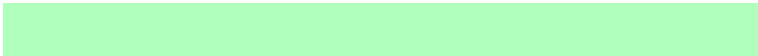
Harmonies

Analogous

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



84.4242, 0.3514, 0.4208



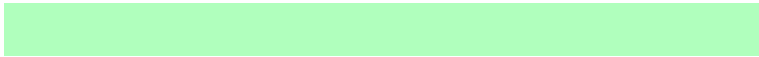
84.4242, 0.3016, 0.4051



84.4242, 0.2570, 0.3626

Triad

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



84.4242, 0.3016, 0.4051



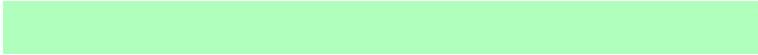
84.4242, 0.2355, 0.2515



84.4242, 0.4044, 0.3348

Complementary

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



84.4242, 0.3016, 0.4051



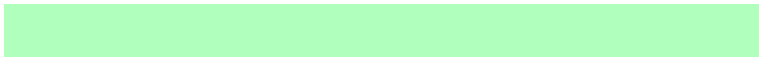
58.7357, 0.3264, 0.2633

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.



84.4242, 0.3683, 0.2966



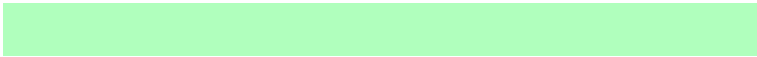
84.4242, 0.3016, 0.4051



84.4242, 0.2694, 0.2503

Square

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



84.4242, 0.3016, 0.4051



84.4242, 0.2213, 0.2723



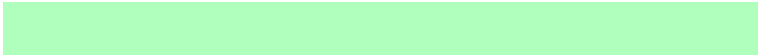
84.4242, 0.3176, 0.2666



84.4242, 0.4131, 0.3745

Rectangle

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



84.4242, 0.3016, 0.4051



84.4242, 0.2359, 0.3285



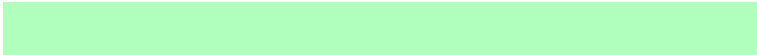
84.4242, 0.3176, 0.2666



84.4242, 0.3950, 0.3216

Sweetspot

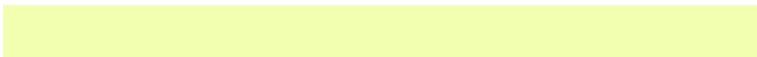
The Sweet Spot groups the original color and five complimentary colors.



84.4277, 0.3016, 0.4051



94.7298, 0.3095, 0.3483



93.7380, 0.3516, 0.4088



20.1063, 0.3090, 0.3517



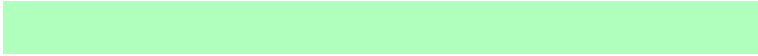
0.0000, 0.0000, 0.0000



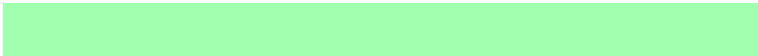
21.4041, 0.3127, 0.3290

Same Dimension

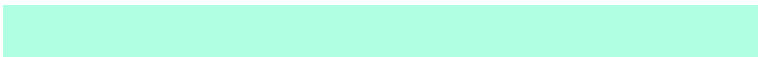
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4277, 0.3016, 0.4051



82.2010, 0.2996, 0.4229



86.3197, 0.2817, 0.3598



20.2168, 0.3093, 0.3495



37.4718, 0.2961, 0.5858



3.6616, 0.2911, 0.5680

Inverse Universe

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



58.7357, 0.3264, 0.2633



52.8896, 0.3297, 0.2506



56.6667, 0.3586, 0.3005



18.2461, 0.3163, 0.3094



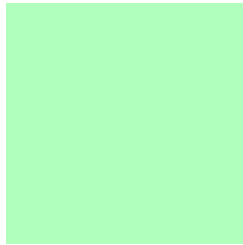
13.6415, 0.3675, 0.1798



1.3413, 0.3612, 0.1764

Previews

White Background



This preview shows how the Yxy color 84.4242, 0.3016, 0.4051 looks on a white background.

Color Contrast Check

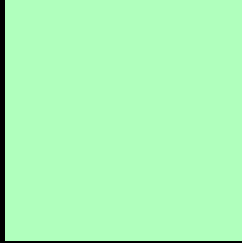
Large Text (above 18pt) WCAG AA × Fail

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 84.4242, 0.3016, 0.4051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

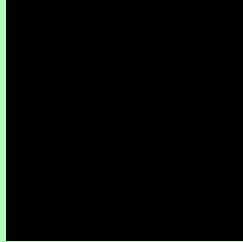
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.4242, 0.3016, 0.4051

Background



This preview shows how black text looks on a background with the Yxy color 84.4242, 0.3016, 0.4051.

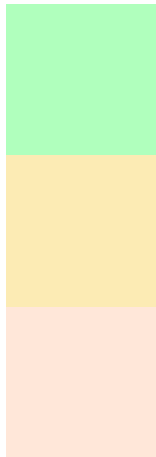


This preview shows how white text looks on a background with the Yxy color 84.4242, 0.3016, 0.4051.

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

84.4242, 0.3016, 0.4051

Protanopia

83.4074, 0.3604, 0.3850

Deuteranopia

83.4216, 0.3386, 0.3431



Tritanopia

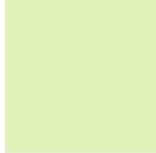
84.1342, 0.2842, 0.3153

Trichromacy



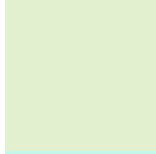
Original Color

84.4242, 0.3016, 0.4051



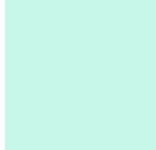
Protanomaly

82.7705, 0.3369, 0.3926



Deuteranomaly

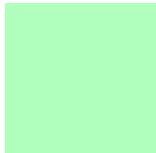
82.9939, 0.3237, 0.3641



Tritanomaly

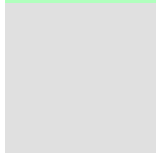
84.0268, 0.2904, 0.3464

Monochromacy



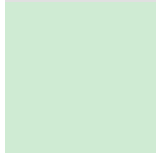
Original Color

84.4242, 0.3016, 0.4051



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3852, 0.3088, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4242, 0.3016, 0.4051 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(176, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 189)  
}
```

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(176, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 84.4242, 0.3016, 0.4051 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(176, 255, 189) }
```

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

```
.border{ border-color:rgb(176, 255, 189) }
```

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

Here you see how a box with a 4 pixel rgb(176, 255, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4242, 0.3016, 0.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 189) }
```

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

```
.background{ background-color: rgb(176,  
255, 189) }
```

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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