

Converting Colors

$Y_{xy}(100.0000, 0.3008, 0.4245)$

Have a look what the booklet for
Yxy(100.0000, 0.3008, 0.4245)
contains.

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Color

Yxy(84.5117, 0.3005, 0.4027)

Conversions

Conversions Part 1

Format	Color
Hex	B0FFBF
RGB	176, 255, 191
RGB Percent	69%, 100%, 75%
CMY	0.3099, 0.0000, 0.2509
CMYK	0.31, 0.00, 0.25, 0.00
HSL	131°, 100%, 85%
HSV	131°, 31%, 100%
XYZ	63.0637, 84.5117, 62.2872
YIQ	224.0830, -26.5400, -36.6520

Conversions

Conversions Part 2

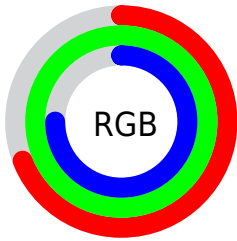
Format	Color
RYB	176, 242, 255
Decimal	11599807
CIELab	93.67, -36.63, 23.06
CIElCh	94, 43.284, 147.802
Yxy	84.5117, 0.3005, 0.4027
Android (android.graphics.Color)	4289789887 (0xFFB0FFBF)
YUV	224.0830, -16.3099, -42.1688
Hunter-Lab	91.9302, -38.4277, 24.1793

Details

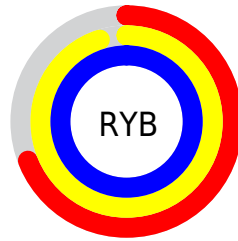
The Yxy color **84.5117, 0.3005, 0.4027** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.5854, 0.3280, 0.2652**, and the grayscale version is **74.7296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6209, 0.3032, 0.3359**, and **46.2593, 0.2970, 0.4216** is the 20% darker color. If you saturate the color by 10%, you get **80.9647, 0.2970, 0.4316**, and if you desaturate by 10%, it is **88.7385, 0.3043, 0.3761**.

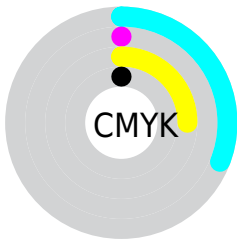
Distribution



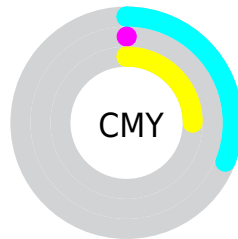
- Red (69%)
- Green (100%)
- Blue (75%)



- Red (69%)
- Yellow (95%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5117, 0.3005, 0.4027 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 84.5117, 0.3005, 0.4027 by changing the saturation by 10% instead.


 84.5117, 0.3005,
0.4027

 84.5117, 0.3005,
0.4027


510.0109, 0.3069,
0.3678

 63.4380, 0.2989,
0.4108

 139.6907, 0.3028,
0.3905

 46.1956, 0.2968,
0.4209

174.5649, 0.3037,
0.3858

 32.4002, 0.2940,
0.4339


214.8079, 0.3045,
0.3817

 21.6674, 0.2901,
0.4509

260.8043, 0.3051,
0.3782

 13.6127, 0.2844,
0.4744

312.9384, 0.3056,
0.3751

 7.8518, 0.2753,
0.5086


371.5946, 0.3061,


 4.0003, 0.2594,


0.3724


0.5624

437.1573, 0.3065,
0.3700


 1.6737, 0.2416,
0.7426


 0.4065, 0.0000,
1.0000


 84.5117, 0.3005,
0.4027


 84.5117, 0.3005,
0.4027


 80.9647, 0.2970,
0.4316

 88.7385, 0.3043,
0.3761

 78.0707, 0.2941,
0.4621

 93.6888, 0.3083,
0.3521

 75.7862, 0.2922,
0.4929

 99.3910, 0.3123,
0.3310

 74.0666, 0.2913,
0.5223

100.0000, 0.3127,
0.3290

■ 72.8610, 0.2918,
0.5485

■ 72.1089, 0.2934,
0.5699

■ 71.7381, 0.2956,
0.5840

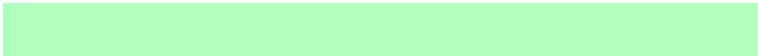
Harmonies

Analogous

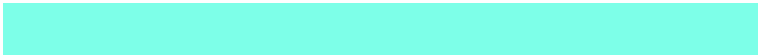
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5117, 0.3494, 0.4191



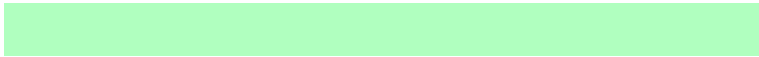
84.5117, 0.3005, 0.4027



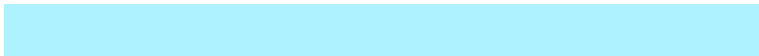
84.5117, 0.2570, 0.3606

Triad

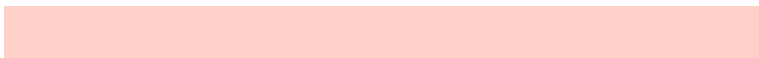
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5117, 0.3005, 0.4027



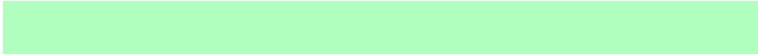
84.5117, 0.2375, 0.2525



84.5117, 0.4034, 0.3360

Complementary

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



84.5117, 0.3005, 0.4027



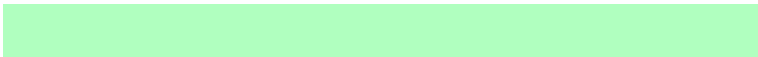
58.5854, 0.3280, 0.2652

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.



84.5117, 0.3685, 0.2982



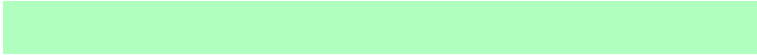
84.5117, 0.3005, 0.4027



84.5117, 0.2714, 0.2518

Square

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



84.5117, 0.3005, 0.4027



84.5117, 0.2229, 0.2725



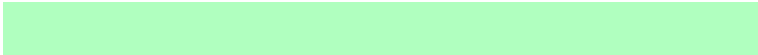
84.5117, 0.3190, 0.2683



84.5117, 0.4111, 0.3749

Rectangle

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



84.5117, 0.3005, 0.4027



84.5117, 0.2365, 0.3271



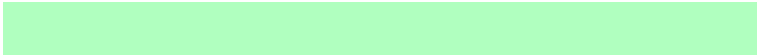
84.5117, 0.3190, 0.2683



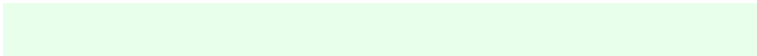
84.5117, 0.3943, 0.3229

Sweetspot

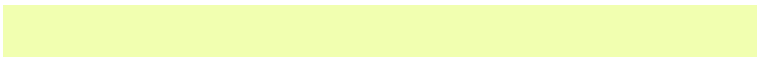
The Sweet Spot groups the original color and five complimentary colors.



84.5084, 0.3005, 0.4027



94.7648, 0.3091, 0.3477



93.2679, 0.3498, 0.4094



20.1149, 0.3086, 0.3509



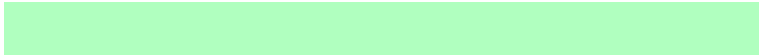
0.0000, 0.0000, 0.0000



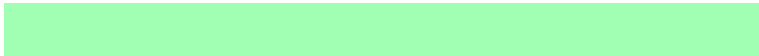
21.4041, 0.3127, 0.3290

Same Dimension

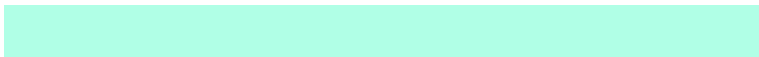
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5084, 0.3005, 0.4027



82.3000, 0.2983, 0.4198



86.4577, 0.2803, 0.3568



20.2247, 0.3089, 0.3488



37.5007, 0.2950, 0.5819



3.6655, 0.2897, 0.5628

Inverse Universe

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



58.5854, 0.3280, 0.2652



52.7439, 0.3317, 0.2528



56.5139, 0.3610, 0.3031



18.2375, 0.3167, 0.3100



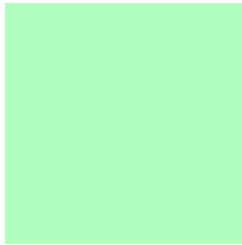
13.4696, 0.3760, 0.1845



1.3261, 0.3685, 0.1804

Previews

White Background



This preview shows how the Yxy color 84.5117, 0.3005, 0.4027 looks on a white background.

Color Contrast Check

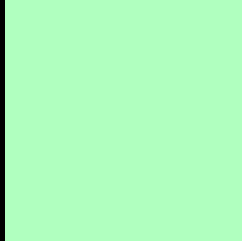
Large Text (above 18pt) WCAG AA × Fail

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 84.5117, 0.3005, 0.4027 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 84.5117, 0.3005, 0.4027

Background



This preview shows how black text looks on a background with the Yxy color 84.5117, 0.3005, 0.4027.

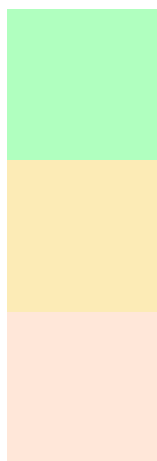


This preview shows how white text looks on a background with the Yxy color 84.5117, 0.3005, 0.4027.

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

84.5117, 0.3005, 0.4027

Protanopia

83.4895, 0.3591, 0.3829

Deuteranopia

83.4216, 0.3386, 0.3431



Tritanopia

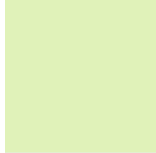
84.1342, 0.2842, 0.3153

Trichromacy



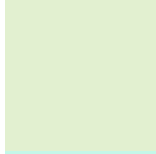
Original Color

84.5117, 0.3005, 0.4027



Protanomaly

82.8543, 0.3357, 0.3904



Deuteranomaly

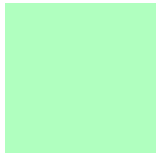
83.0430, 0.3231, 0.3630



Tritanomaly

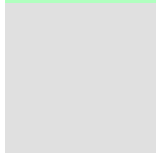
84.0835, 0.2899, 0.3453

Monochromacy



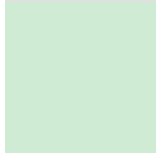
Original Color

84.5117, 0.3005, 0.4027



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.4355, 0.3082, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5117, 0.3005, 0.4027 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 191) }
```

Border

The CSS property to change the border of an element to Yxy 84.5117, 0.3005, 0.4027 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, 191) }
```

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

```
.border{ border-color:rgb(176, 255, 191) }
```

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, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5117, 0.3005, 0.4027 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, 191) }
```

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

```
.background{ background-color: rgb(176,  
255, 191) }
```

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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