

Converting Colors

$Yxy(84.6978, 0.3033, 0.4054)$

Have a look what the booklet for
Yxy(84.6978, 0.3033, 0.4054)
contains.

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Color

Yxy(84.7345, 0.3038, 0.4059)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | B3FFBC |
| RGB | 179, 255, 188 |
| RGB Percent | 70%, 100%, 74% |
| CMY | 0.2982, 0.0000, 0.2626 |
| CMYK | 0.30, 0.00, 0.26, 0.00 |
| HSL | 127°, 100%, 85% |
| HSV | 127°, 30%, 100% |
| XYZ | 63.4204, 84.7345, 60.6022 |
| YIQ | 224.6380, -23.7890, -36.9490 |

Conversions

Conversions Part 2

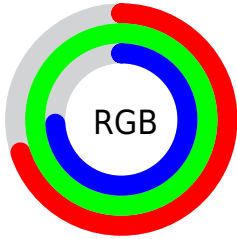
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 179, 247, 255 |
| Decimal | 11796412 |
| CIELab | 93.77, -36.22, 24.74 |
| CIELCh | 94, 43.865, 145.666 |
| Yxy | 84.7345, 0.3038, 0.4059 |
| Android (android.graphics.Color) | 4289986492 (0xFFB3FFBC) |
| YUV | 224.6380, -18.0625, -40.0245 |
| Hunter-Lab | 92.0513, -38.1091, 25.4023 |

Details

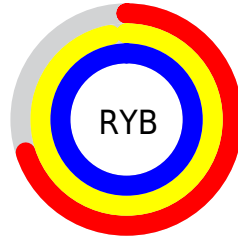
The Yxy color **84.7345, 0.3038, 0.4059** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.1290, 0.3231, 0.2626**, and the grayscale version is **75.1562, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8845, 0.3073, 0.3399**, and **46.3945, 0.3010, 0.4257** is the 20% darker color. If you saturate the color by 10%, you get **81.0734, 0.3010, 0.4371**, and if you desaturate by 10%, it is **89.0981, 0.3068, 0.3771**.

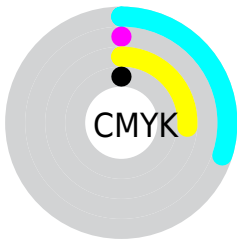
Distribution



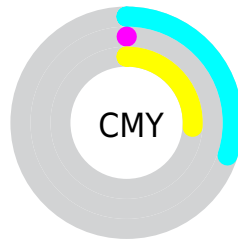
- Red (70%)
- Green (100%)
- Blue (74%)



- Red (70%)
- Yellow (97%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7345, 0.3038, 0.4059 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 84.7345, 0.3038, 0.4059 by changing the saturation by 10% instead.

 84.7345, 0.3038,
0.4059

 84.7345, 0.3038,
0.4059


510.7491, 0.3087,
0.3695

 63.6220, 0.3025,
0.4144

 140.0022, 0.3057,
0.3931

 46.3446, 0.3007,
0.4249

174.9262, 0.3064,
0.3882

 32.5178, 0.2984,
0.4384


215.2228, 0.3069,
0.3840

 21.7573, 0.2950,
0.4561

261.2764, 0.3074,
0.3803

 13.6787, 0.2899,
0.4805

313.4715, 0.3078,
0.3771

 7.8975, 0.2816,
0.5159

372.1924, 0.3082,

 4.0295, 0.2664,

0.3743

0.5712

437.8234, 0.3085,
0.3718

■ 1.6901, 0.2504,
0.7496

■ 0.4172, 0.0000,
1.0000

■ 84.7345, 0.3038,
0.4059

■ 84.7345, 0.3038,
0.4059

■ 81.0734, 0.3010,
0.4371

■ 89.0981, 0.3068,
0.3771

■ 78.0918, 0.2986,
0.4699

■ 94.2142, 0.3098,
0.3514

■ 75.7431, 0.2967,
0.5026

100.0000, 0.3127,
0.3290

■ 73.9812, 0.2958,
0.5333

■ 72.7537, 0.2957,
0.5596

■ 71.9986, 0.2966,
0.5797

■ 71.6209, 0.2980,
0.5927

■ 71.6159, 0.2980,
0.5929

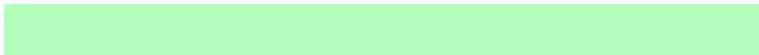
Harmonies

Analogous

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



84.7345, 0.3532, 0.4202



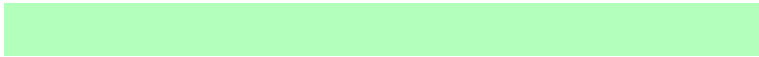
84.7345, 0.3038, 0.4059



84.7345, 0.2590, 0.3646

Triad

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



84.7345, 0.3038, 0.4059



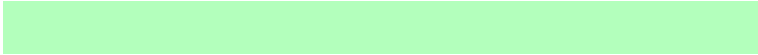
84.7345, 0.2349, 0.2524



84.7345, 0.4028, 0.3331

Complementary

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



84.7345, 0.3038, 0.4059



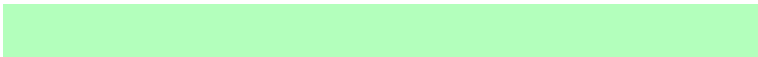
60.1290, 0.3231, 0.2626

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.



84.7345, 0.3659, 0.2953



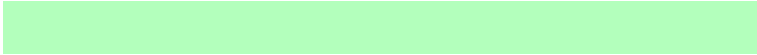
84.7345, 0.3038, 0.4059



84.7345, 0.2679, 0.2504

Square

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



84.7345, 0.3038, 0.4059



84.7345, 0.2216, 0.2739



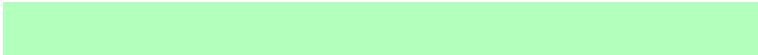
84.7345, 0.3154, 0.2660



84.7345, 0.4128, 0.3727

Rectangle

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



84.7345, 0.3038, 0.4059



84.7345, 0.2374, 0.3307



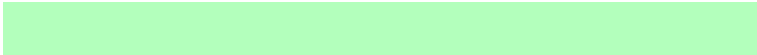
84.7345, 0.3154, 0.2660



84.7345, 0.3930, 0.3200

Sweetspot

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



84.7295, 0.3038, 0.4059



94.6701, 0.3101, 0.3494



94.3885, 0.3519, 0.4054



20.0918, 0.3096, 0.3529



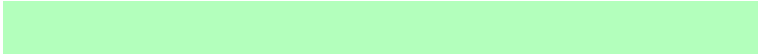
0.0000, 0.0000, 0.0000



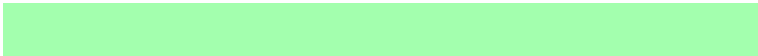
21.4041, 0.3127, 0.3290

Same Dimension

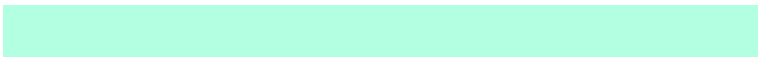
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7295, 0.3038, 0.4059



82.3897, 0.3020, 0.4249



86.5802, 0.2840, 0.3614



20.2034, 0.3099, 0.3506



37.4319, 0.2976, 0.5913



3.6553, 0.2934, 0.5763

Inverse Universe

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



60.1290, 0.3231, 0.2626



54.0599, 0.3257, 0.2490



58.0389, 0.3542, 0.2990



18.2608, 0.3156, 0.3083



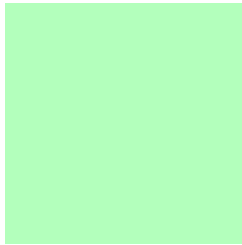
13.9519, 0.3536, 0.1721



1.3685, 0.3493, 0.1698

Previews

White Background



This preview shows how the Yxy color 84.7345, 0.3038, 0.4059 looks on a white background.

Color Contrast Check

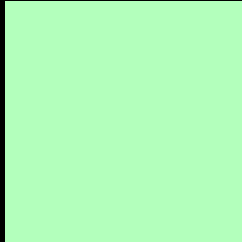
Large Text (above 18pt) WCAG AA × Fail

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 84.7345, 0.3038, 0.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

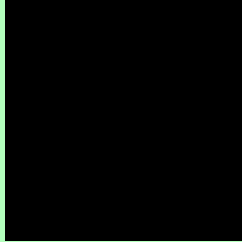
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7345, 0.3038, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 84.7345, 0.3038, 0.4059.

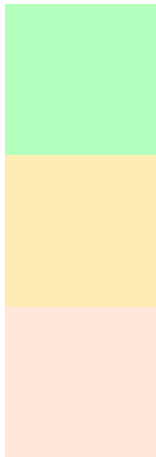


This preview shows how white text looks on a background with the Yxy color 84.7345, 0.3038, 0.4059.

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

84.7345, 0.3038, 0.4059

Protanopia

84.1282, 0.3615, 0.3868

Deuteranopia

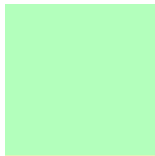
83.9830, 0.3385, 0.3440



Tritanopia

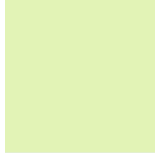
84.4259, 0.2853, 0.3154

Trichromacy



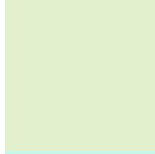
Original Color

84.7345, 0.3038, 0.4059



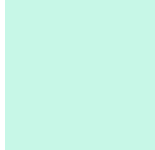
Protanomaly

83.6473, 0.3388, 0.3943



Deuteranomaly

83.1073, 0.3250, 0.3651



Tritanomaly

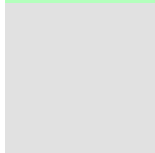
84.4332, 0.2922, 0.3463

Monochromacy



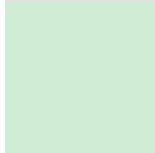
Original Color

84.7345, 0.3038, 0.4059



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.1543, 0.3088, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7345, 0.3038, 0.4059 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(179, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 188)  
}
```

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(179, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 188) }
```

Border

The CSS property to change the border of an element to Yxy 84.7345, 0.3038, 0.4059 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(179, 255, 188) }
```

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

```
.border{ border-color:rgb(179, 255, 188) }
```

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

Here you see how a box with a 4 pixel rgb(179, 255, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7345, 0.3038, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 188) }
```

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

```
.background{ background-color: rgb(179,  
255, 188) }
```

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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