

Converting Colors

$Yxy(84.5455, 0.3020, 0.4048)$

Have a look what the booklet for
Yxy(84.5455, 0.3020, 0.4048)
contains.

Yxy(84.5412, 0.3022, 0.4050)	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(84.5412, 0.3022, 0.4050)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFBD
RGB	177, 255, 189
RGB Percent	69%, 100%, 74%
CMY	0.3057, 0.0000, 0.2589
CMYK	0.31, 0.00, 0.26, 0.00
HSL	129°, 100%, 85%
HSV	129°, 31%, 100%
XYZ	63.0823, 84.5412, 61.1202
YIQ	224.1540, -25.3020, -37.0620

Conversions

Conversions Part 2

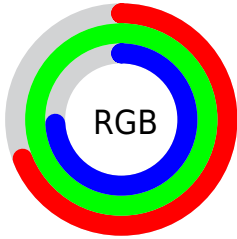
Format	Color
RYB	177, 245, 255
Decimal	11665341
CIELab	93.69, -36.64, 24.13
CIElCh	94, 43.872, 146.633
Yxy	84.5412, 0.3022, 0.4050
Android (android.graphics.Color)	4289855421 (0xFFB1FFBD)
YUV	224.1540, -17.3309, -41.3541
Hunter-Lab	91.9463, -38.4410, 24.9501

Details

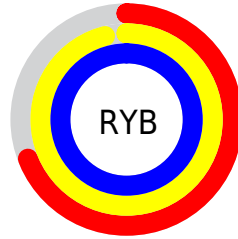
The Yxy color **84.5412, 0.3022, 0.4050** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.1994, 0.3255, 0.2634**, and the grayscale version is **74.8044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6050, 0.3055, 0.3389**, and **46.2750, 0.2990, 0.4245** is the 20% darker color. If you saturate the color by 10%, you get **80.9547, 0.2991, 0.4352**, and if you desaturate by 10%, it is **88.8339, 0.3056, 0.3772**.

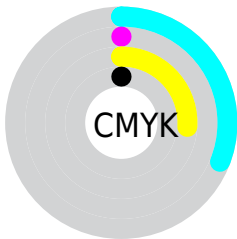
Distribution



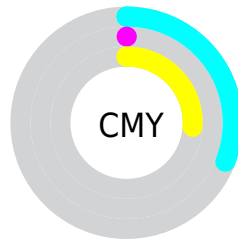
- Red (69%)
- Green (100%)
- Blue (74%)



- 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 84.5412, 0.3022, 0.4050 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 84.5412, 0.3022, 0.4050 by changing the saturation by 10% instead.


 84.5412, 0.3022,
0.4050

 84.5412, 0.3022,
0.4050


510.1087, 0.3078,
0.3690

 63.4624, 0.3007,
0.4134

 139.7320, 0.3043,
0.3924

 46.2154, 0.2988,
0.4238


174.6127, 0.3051,
0.3875

 32.4158, 0.2962,
0.4371


214.8629, 0.3057,
0.3833

 21.6793, 0.2926,
0.4547

260.8668, 0.3063,
0.3797

 13.6214, 0.2871,
0.4789

313.0090, 0.3068,
0.3765

 7.8578, 0.2783,
0.5142


371.6738, 0.3072,


 4.0041, 0.2626,


0.3738


0.5693

437.2455, 0.3075,
0.3713

 1.6759, 0.2456,
0.7544

 0.4080, 0.0000,
1.0000

 84.5412, 0.3022,
0.4050


 84.5412, 0.3022,
0.4050

 80.9547, 0.2991,
0.4352


 88.8339, 0.3056,
0.3772


 78.0266, 0.2964,
0.4669

 93.8569, 0.3091,
0.3522

 75.7193, 0.2946,
0.4987

 99.6459, 0.3125,
0.3302

 73.9875, 0.2937,
0.5288

 99.9988, 0.3127,
0.3290

■ 72.7793, 0.2939,
0.5551

■ 72.0333, 0.2952,
0.5757

■ 71.6653, 0.2970,
0.5892

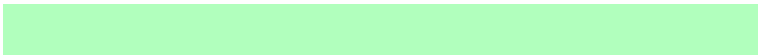
Harmonies

Analogous

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



84.5412, 0.3517, 0.4204



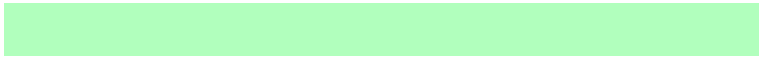
84.5412, 0.3022, 0.4050



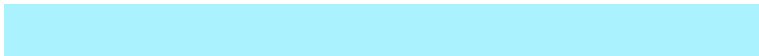
84.5412, 0.2577, 0.3630

Triad

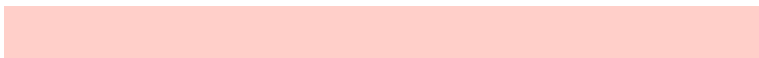
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5412, 0.3022, 0.4050



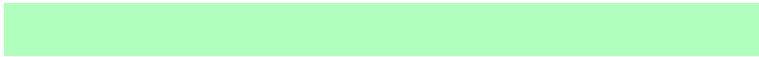
84.5412, 0.2356, 0.2520



84.5412, 0.4037, 0.3344

Complementary

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



84.5412, 0.3022, 0.4050



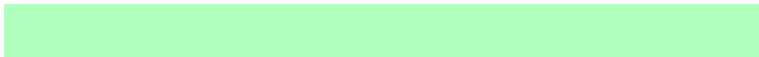
59.1994, 0.3255, 0.2634

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.



84.5412, 0.3675, 0.2964



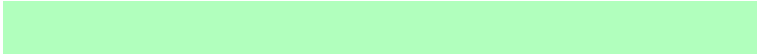
84.5412, 0.3022, 0.4050



84.5412, 0.2692, 0.2506

Square

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



84.5412, 0.3022, 0.4050



84.5412, 0.2217, 0.2729



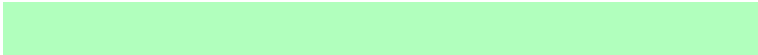
84.5412, 0.3171, 0.2667



84.5412, 0.4127, 0.3739

Rectangle

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



84.5412, 0.3022, 0.4050



84.5412, 0.2365, 0.3290



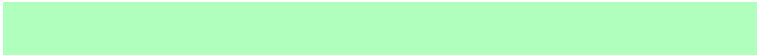
84.5412, 0.3171, 0.2667



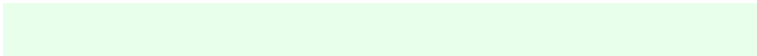
84.5412, 0.3942, 0.3212

Sweetspot

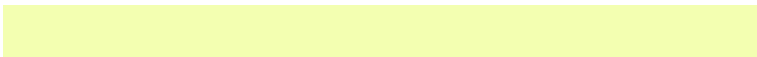
The Sweet Spot groups the original color and five complimentary colors.



84.5447, 0.3022, 0.4050



94.7148, 0.3096, 0.3486



93.8043, 0.3511, 0.4078



20.1027, 0.3091, 0.3520



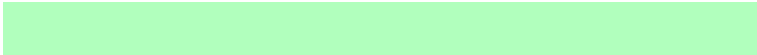
0.0000, 0.0000, 0.0000



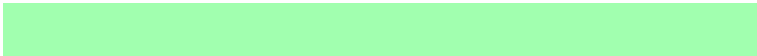
21.4041, 0.3127, 0.3290

Same Dimension

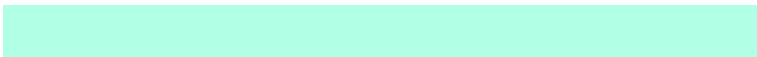
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5447, 0.3022, 0.4050



82.1591, 0.3001, 0.4242



86.4575, 0.2820, 0.3593



20.2134, 0.3095, 0.3497



37.4607, 0.2965, 0.5873



3.6600, 0.2917, 0.5701

Inverse Universe

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



59.1994, 0.3255, 0.2634



52.9528, 0.3288, 0.2496



57.0993, 0.3578, 0.3009



18.2498, 0.3162, 0.3091



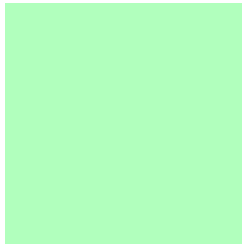
13.7174, 0.3639, 0.1778



1.3480, 0.3582, 0.1747

Previews

White Background



This preview shows how the Yxy color 84.5412, 0.3022, 0.4050 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 84.5412, 0.3022, 0.4050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

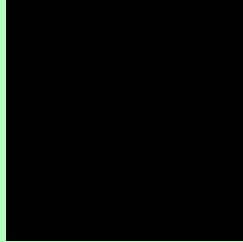
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

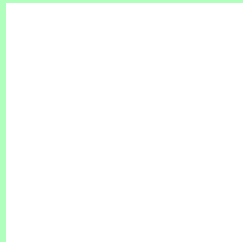
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5412, 0.3022, 0.4050

Background



This preview shows how black text looks on a background with the Yxy color 84.5412, 0.3022, 0.4050.

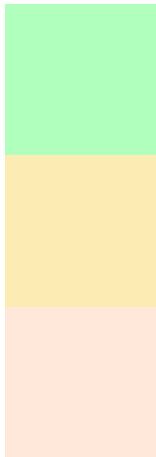


This preview shows how white text looks on a background with the Yxy color 84.5412, 0.3022, 0.4050.

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

84.5412, 0.3022, 0.4050

Protanopia

83.9816, 0.3602, 0.3859

Deuteranopia

83.4216, 0.3386, 0.3431



Tritanopia

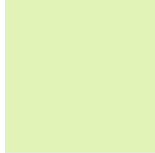
84.1342, 0.2842, 0.3153

Trichromacy



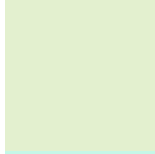
Original Color

84.5412, 0.3022, 0.4050



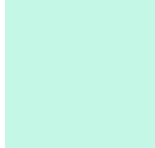
Protanomaly

83.5276, 0.3375, 0.3934



Deuteranomaly

83.1561, 0.3244, 0.3640



Tritanomaly

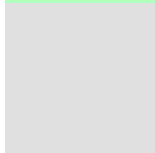
84.1614, 0.2910, 0.3464

Monochromacy



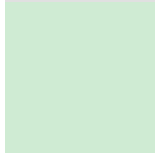
Original Color

84.5412, 0.3022, 0.4050



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 84.5412, 0.3022, 0.4050 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(177, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(177, 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(177, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 189) }
```

Border

The CSS property to change the border of an element to Yxy 84.5412, 0.3022, 0.4050 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(177, 255, 189) }
```

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

```
.border{ border-color:rgb(177, 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(177, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5412, 0.3022, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 189) }
```

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

```
.background{ background-color: rgb(177,  
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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