

Converting Colors

Yxy(84.4780, 0.3092, 0.4165)

Have a look what the booklet for
Yxy(84.4780, 0.3092, 0.4165)
contains.

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Color

Yxy(84.4780, 0.3092, 0.4165)

Conversions

Conversions Part 1

Format	Color
Hex	B4FFB3
RGB	180, 255, 179
RGB Percent	71%, 100%, 70%
CMY	0.2942, 0.0000, 0.2981
CMYK	0.29, 0.00, 0.30, 0.00
HSL	119°, 100%, 85%
HSV	119°, 30%, 100%
XYZ	62.7145, 84.4780, 55.6358
YIQ	223.9110, -20.3040, -39.5360

Conversions

Conversions Part 2

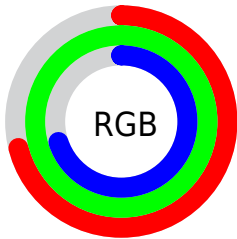
Format	Color
RYB	179, 255, 254
Decimal	11861939
CIELab	93.66, -37.37, 29.17
CIELCh	94, 47.409, 142.024
Yxy	84.4780, 0.3092, 0.4165
Android (android.graphics.Color)	4290052019 (0xFFB4FFB3)
YUV	223.9110, -22.1411, -38.5099
Hunter-Lab	91.9119, -39.0494, 28.4491

Details

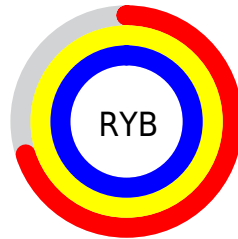
The Yxy color **84.4780, 0.3092, 0.4165** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.5213, 0.3154, 0.2544**, and the grayscale version is **74.6407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5227, 0.3130, 0.3490**, and **46.2545, 0.3069, 0.4379** is the 20% darker color. If you saturate the color by 10%, you get **80.7869, 0.3077, 0.4517**, and if you desaturate by 10%, it is **88.9028, 0.3106, 0.3838**.

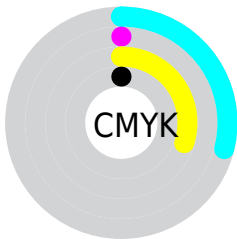
Distribution



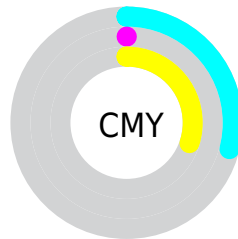
- Red (71%)
- Green (100%)
- Blue (70%)



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



- Cyan (29%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.4780, 0.3092, 0.4165 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 84.4780, 0.3092, 0.4165 by changing the saturation by 10% instead.


 84.4780, 0.3092,
0.4165

 84.4780, 0.3092,
0.4165


509.8992, 0.3120,
0.3750

 63.4102, 0.3083,
0.4262


 139.6436, 0.3104,
0.4019

 46.1731, 0.3070,
0.4382

174.5102, 0.3108,
0.3963

 32.3824, 0.3051,
0.4536


214.7452, 0.3111,
0.3915

 21.6538, 0.3023,
0.4738

260.7329, 0.3113,
0.3873

 13.6027, 0.2976,
0.5016

312.8577, 0.3116,
0.3837

 7.8449, 0.2895,
0.5416

371.5041, 0.3117,

 3.9958, 0.2737,

0.3804

0.6036

437.0565, 0.3119,
0.3776

1.6712, 0.2390,
0.7610

0.4049, 0.0000,
1.0000

84.4780, 0.3092,
0.4165

84.4780, 0.3092,
0.4165

80.7869, 0.3077,
0.4517

88.9028, 0.3106,
0.3838

77.7970, 0.3061,
0.4879

94.1064, 0.3117,
0.3544

75.4618, 0.3045,
0.5228

100.0000, 0.3127,
0.3290

73.7323, 0.3029,
0.5535

■ 72.5524, 0.3016,
0.5774

■ 71.8559, 0.3007,
0.5927

■ 71.5459, 0.3002,
0.5998

■ 71.5418, 0.3002,
0.5999

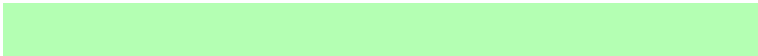
Harmonies

Analogous

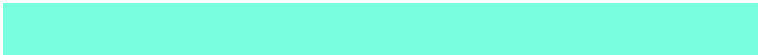
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4780, 0.3621, 0.4274



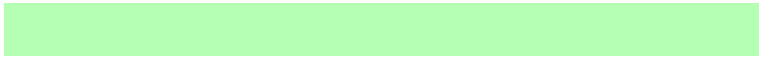
84.4780, 0.3092, 0.4165



84.4780, 0.2597, 0.3740

Triad

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



84.4780, 0.3092, 0.4165



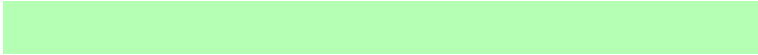
84.4780, 0.2262, 0.2482



84.4780, 0.4068, 0.3278

Complementary

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



84.4780, 0.3092, 0.4165



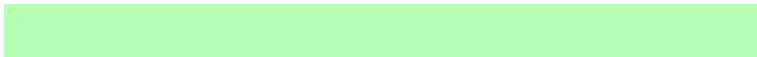
60.5213, 0.3154, 0.2544

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.



84.4780, 0.3640, 0.2882



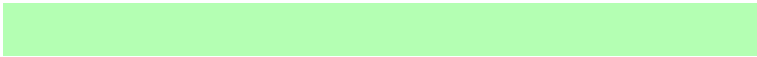
84.4780, 0.3092, 0.4165



84.4780, 0.2590, 0.2439

Square

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



84.4780, 0.3092, 0.4165



84.4780, 0.2148, 0.2735



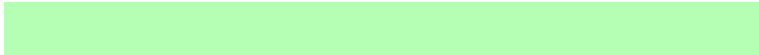
84.4780, 0.3087, 0.2585



84.4780, 0.4213, 0.3704

Rectangle

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



84.4780, 0.3092, 0.4165



84.4780, 0.2351, 0.3372



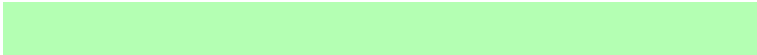
84.4780, 0.3087, 0.2585



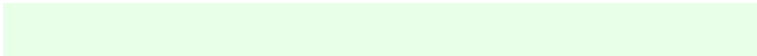
84.4780, 0.3951, 0.3139

Sweetspot

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



84.4754, 0.3092, 0.4165



94.5641, 0.3118, 0.3522



95.2281, 0.3583, 0.4026



20.0659, 0.3117, 0.3562



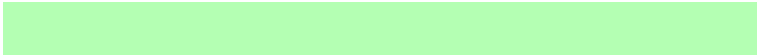
0.0000, 0.0000, 0.0000



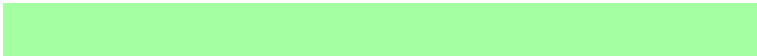
21.4041, 0.3127, 0.3290

Same Dimension

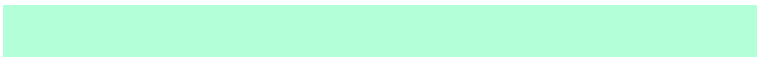
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.4754, 0.3092, 0.4165



82.1084, 0.3083, 0.4381



86.0447, 0.2892, 0.3731



20.1796, 0.3118, 0.3536



37.3871, 0.3003, 0.5998



3.6441, 0.3009, 0.5993

Inverse Universe

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



60.5213, 0.3154, 0.2544



54.5156, 0.3159, 0.2393



58.5671, 0.3455, 0.2889



18.2874, 0.3136, 0.3056



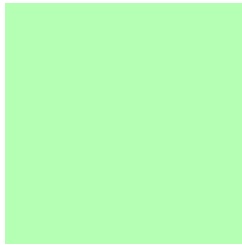
14.5552, 0.3176, 0.1523



1.4210, 0.3180, 0.1526

Previews

White Background



This preview shows how the Yxy color 84.4780, 0.3092, 0.4165 looks on a white background.

Color Contrast Check

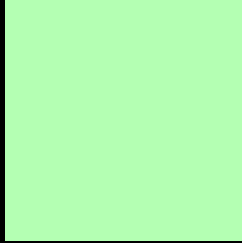
Large Text (above 18pt) WCAG AA × Fail

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 84.4780, 0.3092, 0.4165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

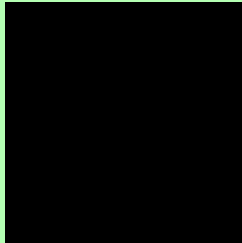
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.4780, 0.3092, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 84.4780, 0.3092, 0.4165.

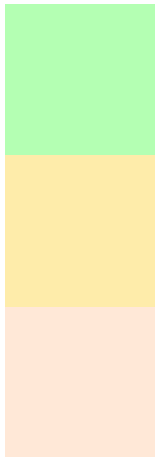


This preview shows how white text looks on a background with the Yxy color 84.4780, 0.3092, 0.4165.

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

84.4780, 0.3092, 0.4165

Protanopia

83.9640, 0.3682, 0.3957

Deuteranopia

83.8795, 0.3398, 0.3461



Tritanopia

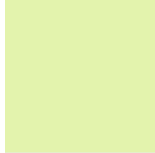
83.8322, 0.2853, 0.3143

Trichromacy



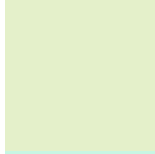
Original Color

84.4780, 0.3092, 0.4165



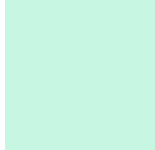
Protanomaly

83.4492, 0.3450, 0.4039



Deuteranomaly

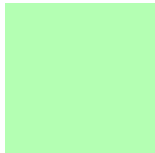
83.0784, 0.3282, 0.3694



Tritanomaly

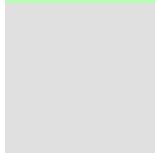
83.5997, 0.2944, 0.3497

Monochromacy



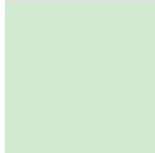
Original Color

84.4780, 0.3092, 0.4165



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3806, 0.3113, 0.3590

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.4780, 0.3092, 0.4165 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(180, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 179)  
}
```

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(180, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 84.4780, 0.3092, 0.4165 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(180, 255, 179) }
```

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

```
.border{ border-color:rgb(180, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 84.4780, 0.3092, 0.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 179) }
```

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

```
.background{ background-color: rgb(180,  
255, 179) }
```

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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