

Converting Colors

$Yxy(84.2569, 0.3050, 0.4120)$

Have a look what the booklet for
Yxy(84.2569, 0.3050, 0.4120)
contains.

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Color

Yxy(84.2860, 0.3053, 0.4122)

Conversions

Conversions Part 1

Format	Color
Hex	B1FFB7
RGB	177, 255, 183
RGB Percent	69%, 100%, 72%
CMY	0.3061, 0.0000, 0.2824
CMYK	0.31, 0.00, 0.28, 0.00
HSL	125°, 100%, 85%
HSV	125°, 31%, 100%
XYZ	62.4273, 84.2860, 57.7652
YIQ	223.4700, -23.3760, -38.9280

Conversions

Conversions Part 2

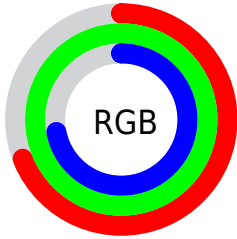
Format	Color
RYB	177, 249, 255
Decimal	11665335
CIELab	93.57, -37.68, 27.01
CIELCh	94, 46.362, 144.360
Yxy	84.2860, 0.3053, 0.4122
Android (android.graphics.Color)	4289855415 (0xFFB1FFB7)
YUV	223.4700, -19.9517, -40.7542
Hunter-Lab	91.8074, -39.2864, 26.9600

Details

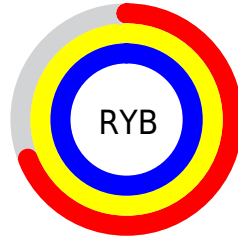
The Yxy color **84.2860, 0.3053, 0.4122** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **59.5203, 0.3209, 0.2579**, and the grayscale version is **74.2861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2444, 0.3089, 0.3450**, and **46.1374, 0.3022, 0.4324** is the 20% darker color. If you saturate the color by 10%, you get **80.6608, 0.3029, 0.4450**, and if you desaturate by 10%, it is **88.6197, 0.3078, 0.3818**.

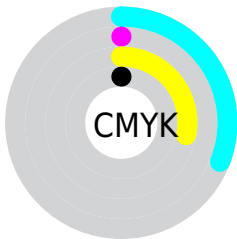
Distribution



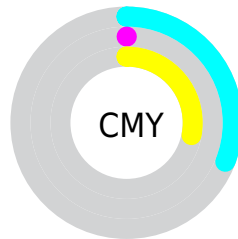
- Red (69%)
- Green (100%)
- Blue (72%)



- Red (69%)
- Yellow (98%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2860, 0.3053, 0.4122 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 84.2860, 0.3053, 0.4122 by changing the saturation by 10% instead.


 84.2860, 0.3053,
0.4122

 84.2860, 0.3053,
0.4122


509.2625, 0.3097,
0.3727

 63.2516, 0.3040,
0.4214

 139.3752, 0.3070,
0.3983

 46.0448, 0.3024,
0.4329


174.1987, 0.3076,
0.3930

 32.2812, 0.3000,
0.4476


214.3875, 0.3082,
0.3884

 21.5763, 0.2966,
0.4669

260.3258, 0.3086,
0.3844

 13.5459, 0.2914,
0.4935

312.3980, 0.3089,
0.3810

 7.8055, 0.2826,
0.5321


370.9886, 0.3092,


 3.9708, 0.2661,


0.3779

0.5919


436.4820, 0.3095,
0.3752


 1.6572, 0.2348,
0.7652


 0.3957, 0.0000,
1.0000

 84.2860, 0.3053,
0.4122

 84.2860, 0.3053,
0.4122


 80.6608, 0.3029,
0.4450

 88.6197, 0.3078,
0.3818


 77.7268, 0.3008,
0.4792

 93.7203, 0.3102,
0.3545

 75.4334, 0.2991,
0.5127

 99.6143, 0.3126,
0.3304

 73.7326, 0.2981,
0.5433

 100.0000, 0.3127,
0.3290

■ 72.5696, 0.2978,
0.5686

■ 71.8793, 0.2982,
0.5865

■ 71.5695, 0.2990,
0.5963

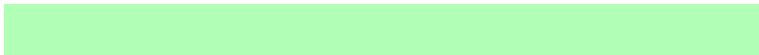
Harmonies

Analogous

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



84.2860, 0.3574, 0.4257



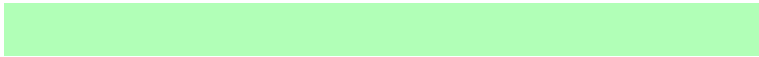
84.2860, 0.3053, 0.4122



84.2860, 0.2576, 0.3690

Triad

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



84.2860, 0.3053, 0.4122



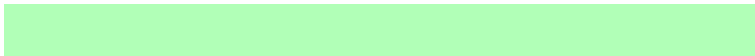
84.2860, 0.2296, 0.2487



84.2860, 0.4070, 0.3312

Complementary

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



84.2860, 0.3053, 0.4122



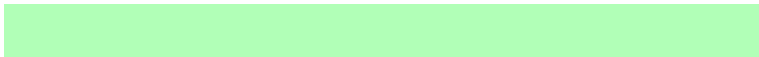
59.5203, 0.3209, 0.2579

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.



84.2860, 0.3669, 0.2918



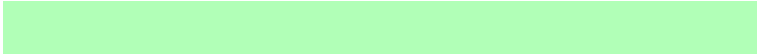
84.2860, 0.3053, 0.4122



84.2860, 0.2634, 0.2460

Square

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



84.2860, 0.3053, 0.4122



84.2860, 0.2167, 0.2721



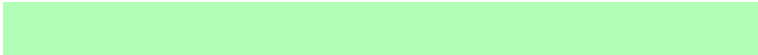
84.2860, 0.3130, 0.2616



84.2860, 0.4188, 0.3729

Rectangle

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



84.2860, 0.3053, 0.4122



84.2860, 0.2344, 0.3329



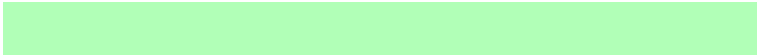
84.2860, 0.3130, 0.2616



84.2860, 0.3963, 0.3175

Sweetspot

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



84.2787, 0.3053, 0.4122



94.6146, 0.3106, 0.3504



94.9785, 0.3556, 0.4067



20.0782, 0.3103, 0.3541



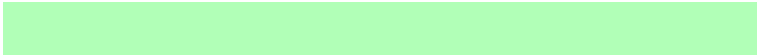
0.0000, 0.0000, 0.0000



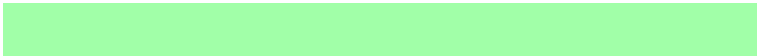
21.4041, 0.3127, 0.3290

Same Dimension

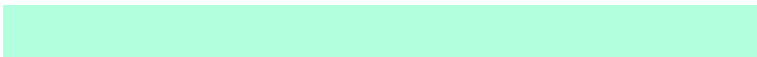
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2787, 0.3053, 0.4122



81.8858, 0.3038, 0.4330



86.0906, 0.2853, 0.3669



20.1909, 0.3105, 0.3516



37.4046, 0.2987, 0.5952



3.6495, 0.2957, 0.5844

Inverse Universe

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



59.5203, 0.3209, 0.2579



53.3868, 0.3229, 0.2434



57.3743, 0.3522, 0.2942



18.2747, 0.3150, 0.3074



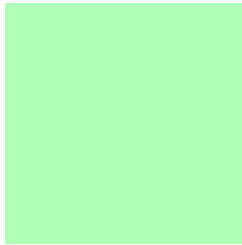
14.2620, 0.3414, 0.1654



1.3956, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 84.2860, 0.3053, 0.4122 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 84.2860, 0.3053, 0.4122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

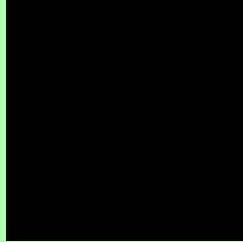
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

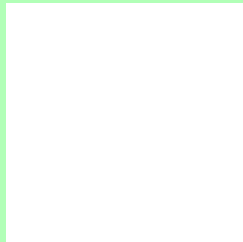
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2860, 0.3053, 0.4122

Background



This preview shows how black text looks on a background with the Yxy color 84.2860, 0.3053, 0.4122.

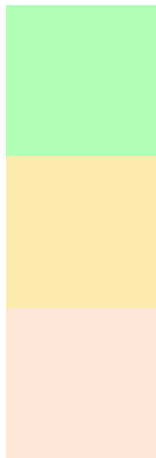


This preview shows how white text looks on a background with the Yxy color 84.2860, 0.3053, 0.4122.

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

84.2860, 0.3053, 0.4122

Protanopia

83.3553, 0.3651, 0.3909

Deuteranopia

83.3181, 0.3400, 0.3451



Tritanopia

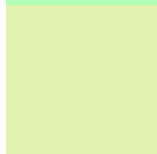
84.1342, 0.2842, 0.3153

Trichromacy



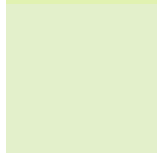
Original Color

84.2860, 0.3053, 0.4122



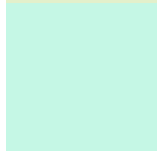
Protanomaly

82.6861, 0.3413, 0.3990



Deuteranomaly

82.9629, 0.3269, 0.3684



Tritanomaly

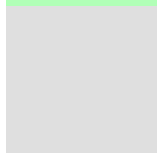
84.0490, 0.2921, 0.3486

Monochromacy



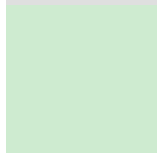
Original Color

84.2860, 0.3053, 0.4122



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0925, 0.3100, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2860, 0.3053, 0.4122 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 84.2860, 0.3053, 0.4122 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, 183) }
```

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

```
.border{ border-color:rgb(177, 255, 183) }
```

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, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2860, 0.3053, 0.4122 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, 183) }
```

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

```
.background{ background-color: rgb(177,  
255, 183) }
```

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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