

Converting Colors

$Yxy(84.7535, 0.3079, 0.4120)$

Have a look what the booklet for
Yxy(84.7535, 0.3079, 0.4120)
contains.

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Color

Yxy(84.7627, 0.3077, 0.4116)

Conversions

Conversions Part 1

Format	Color
Hex	B5FFB7
RGB	181, 255, 183
RGB Percent	71%, 100%, 72%
CMY	0.2901, 0.0000, 0.2825
CMYK	0.29, 0.00, 0.28, 0.00
HSL	122°, 100%, 85%
HSV	122°, 29%, 100%
XYZ	63.3661, 84.7627, 57.8059
YIQ	224.6660, -20.9920, -38.0800

Conversions

Conversions Part 2

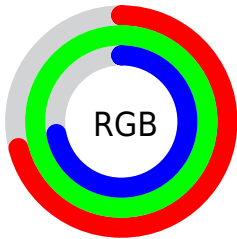
Format	Color
RYB	181, 253, 255
Decimal	11927479
CIELab	93.78, -36.40, 27.33
CIElCh	94, 45.519, 143.097
Yxy	84.7627, 0.3077, 0.4116
Android (android.graphics.Color)	4290117559 (0xFFB5FFB7)
YUV	224.6660, -20.5413, -38.2951
Hunter-Lab	92.0667, -38.2617, 27.2203

Details

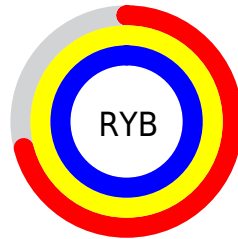
The Yxy color **84.7627, 0.3077, 0.4116** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.4154, 0.3176, 0.2583**, and the grayscale version is **75.2083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9291, 0.3114, 0.3449**, and **46.4355, 0.3050, 0.4315** is the 20% darker color. If you saturate the color by 10%, you get **81.0148, 0.3058, 0.4459**, and if you desaturate by 10%, it is **89.2623, 0.3095, 0.3800**.

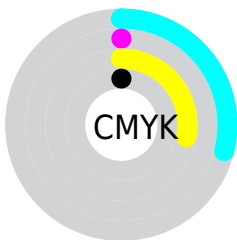
Distribution



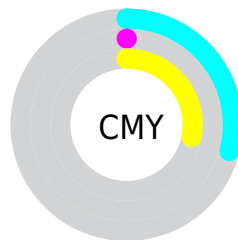
- Red (71%)
- Green (100%)
- Blue (72%)



- Red (71%)
- Yellow (99%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7627, 0.3077, 0.4116 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 84.7627, 0.3077, 0.4116 by changing the saturation by 10% instead.


 84.7627, 0.3077,
0.4116

 84.7627, 0.3077,
0.4116


510.8425, 0.3110,
0.3725

 63.6453, 0.3067,
0.4207

 140.0416, 0.3091,
0.3979

 46.3635, 0.3053,
0.4320

174.9719, 0.3095,
0.3926

 32.5327, 0.3034,
0.4465


215.2753, 0.3099,
0.3880

 21.7687, 0.3005,
0.4655

261.3362, 0.3102,
0.3841

 13.6871, 0.2959,
0.4917

313.5389, 0.3105,
0.3807

 7.9033, 0.2881,
0.5294

372.2680, 0.3107,

 4.0332, 0.2730,

0.3776

0.5877

437.9077, 0.3109,
0.3749

■ 1.6921, 0.2491,
0.7509

■ 0.4186, 0.0000,
1.0000

■ 84.7627, 0.3077,
0.4116

■ 84.7627, 0.3077,
0.4116

■ 81.0148, 0.3058,
0.4459

■ 89.2623, 0.3095,
0.3800

■ 77.9704, 0.3039,
0.4814

■ 94.5432, 0.3113,
0.3516

■ 75.5880, 0.3023,
0.5162

100.0000, 0.3127,
0.3290

■ 73.8183, 0.3009,
0.5475

■ 72.6053, 0.3001,
0.5727

■ 71.8828, 0.2997,
0.5898

■ 71.5564, 0.2997,
0.5984

■ 71.5347, 0.2997,
0.5989

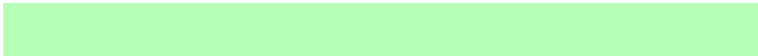
Harmonies

Analogous

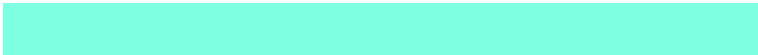
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7627, 0.3587, 0.4235



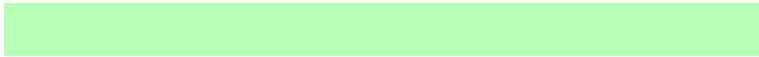
84.7627, 0.3077, 0.4116



84.7627, 0.2605, 0.3703

Triad

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



84.7627, 0.3077, 0.4116



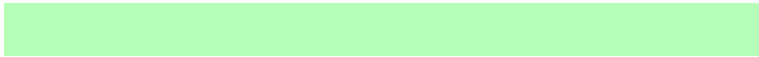
84.7627, 0.2302, 0.2508



84.7627, 0.4039, 0.3295

Complementary

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



84.7627, 0.3077, 0.4116



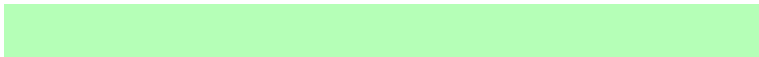
61.4154, 0.3176, 0.2583

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.



84.7627, 0.3637, 0.2911



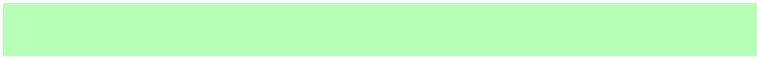
84.7627, 0.3077, 0.4116



84.7627, 0.2626, 0.2472

Square

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



84.7627, 0.3077, 0.4116



84.7627, 0.2184, 0.2747



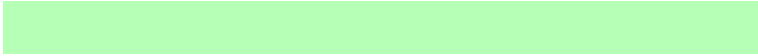
84.7627, 0.3108, 0.2618



84.7627, 0.4168, 0.3706

Rectangle

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



84.7627, 0.3077, 0.4116



84.7627, 0.2371, 0.3351



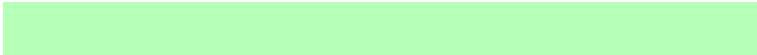
84.7627, 0.3108, 0.2618



84.7627, 0.3930, 0.3161

Sweetspot

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



84.7653, 0.3077, 0.4116



94.5476, 0.3113, 0.3516



95.8844, 0.3559, 0.4020



20.0619, 0.3110, 0.3555



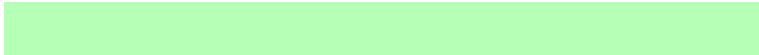
0.0000, 0.0000, 0.0000



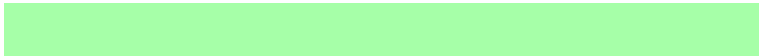
21.4041, 0.3127, 0.3290

Same Dimension

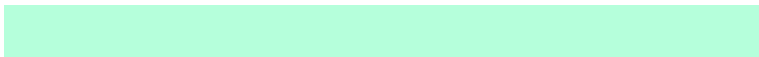
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7653, 0.3077, 0.4116



82.4307, 0.3066, 0.4319



86.4750, 0.2885, 0.3689



20.1759, 0.3112, 0.3529



37.3818, 0.2996, 0.5984



3.6423, 0.2985, 0.5946

Inverse Universe

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



61.4154, 0.3176, 0.2583



55.5114, 0.3186, 0.2440



59.3185, 0.3464, 0.2925



18.2916, 0.3142, 0.3062



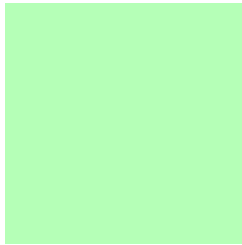
14.6634, 0.3276, 0.1578



1.4302, 0.3268, 0.1574

Previews

White Background



This preview shows how the Yxy color 84.7627, 0.3077, 0.4116 looks on a white background.

Color Contrast Check

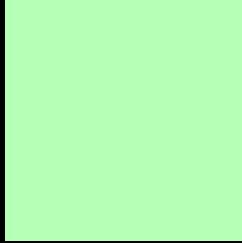
Large Text (above 18pt) WCAG AA × Fail

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 84.7627, 0.3077, 0.4116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

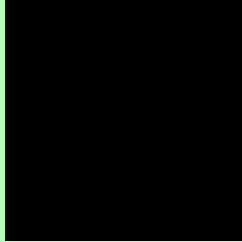
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.7627, 0.3077, 0.4116

Background



This preview shows how black text looks on a background with the Yxy color 84.7627, 0.3077, 0.4116.

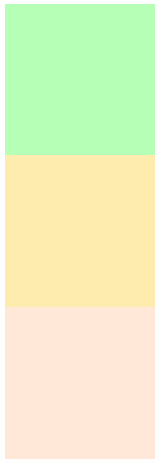


This preview shows how white text looks on a background with the Yxy color 84.7627, 0.3077, 0.4116.

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

84.7627, 0.3077, 0.4116

Protanopia

83.9295, 0.3648, 0.3918

Deuteranopia

83.9311, 0.3391, 0.3451



Tritanopia

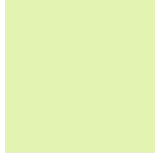
84.5731, 0.2859, 0.3154

Trichromacy



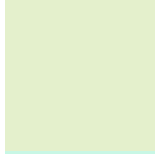
Original Color

84.7627, 0.3077, 0.4116



Protanomaly

83.6064, 0.3425, 0.3996



Deuteranomaly

83.1738, 0.3269, 0.3672



Tritanomaly

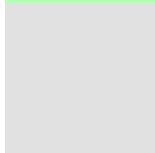
84.4580, 0.2939, 0.3485

Monochromacy



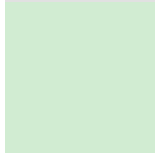
Original Color

84.7627, 0.3077, 0.4116



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.1994, 0.3107, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7627, 0.3077, 0.4116 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(181, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(181, 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(181, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 183) }
```

Border

The CSS property to change the border of an element to Yxy 84.7627, 0.3077, 0.4116 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(181, 255, 183) }
```

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

```
.border{ border-color:rgb(181, 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(181, 255, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7627, 0.3077, 0.4116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 183) }
```

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

```
.background{ background-color: rgb(181,  
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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