

Converting Colors

Yxy(83.5541, 0.3012, 0.4116)

Have a look what the booklet for
Yxy(83.5541, 0.3012, 0.4116)
contains.

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Color

Yxy(83.6386, 0.3013, 0.4118)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFB8
RGB	171, 255, 184
RGB Percent	67%, 100%, 72%
CMY	0.3297, 0.0000, 0.2784
CMYK	0.33, 0.00, 0.28, 0.00
HSL	129°, 100%, 84%
HSV	129°, 33%, 100%
XYZ	61.1955, 83.6386, 58.2708
YIQ	221.7900, -27.2730, -39.8890

Conversions

Conversions Part 2

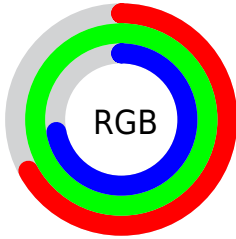
Format	Color
RYB	171, 244, 255
Decimal	11272120
CIELab	93.29, -39.34, 26.06
CIELCh	93, 47.191, 146.482
Yxy	83.6386, 0.3013, 0.4118
Android (android.graphics.Color)	4289462200 (0xFFABFFB8)
YUV	221.7900, -18.6305, -44.5428
Hunter-Lab	91.4541, -40.6035, 26.2408

Details

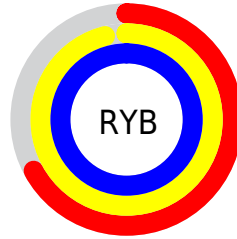
The Yxy color **83.6386, 0.3013, 0.4118** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.7653, 0.3269, 0.2584**, and the grayscale version is **73.0240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.3053, 0.3047, 0.3441**, and **45.7399, 0.2975, 0.4320** is the 20% darker color. If you saturate the color by 10%, you get **80.2046, 0.2982, 0.4423**, and if you desaturate by 10%, it is **87.7476, 0.3047, 0.3835**.

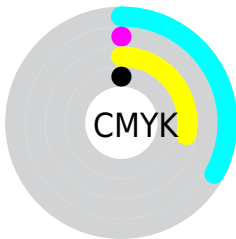
Distribution



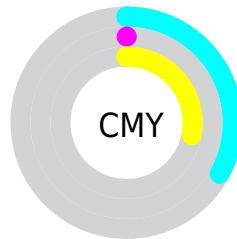
- Red (67%)
- Green (100%)
- Blue (72%)



- Red (67%)
- Yellow (96%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6386, 0.3013, 0.4118 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 83.6386, 0.3013, 0.4118 by changing the saturation by 10% instead.

 83.6386, 0.3013,
0.4118

 83.6386, 0.3013,
0.4118


507.1123, 0.3075,
0.3724

 62.7171, 0.2996,
0.4210


 138.4695, 0.3036,
0.3979

 45.6124, 0.2975,
0.4325


173.1477, 0.3045,
0.3926

 31.9401, 0.2945,
0.4472


213.1803, 0.3052,
0.3880

 21.3157, 0.2904,
0.4667

258.9516, 0.3058,
0.3841

 13.3550, 0.2841,
0.4936

310.8461, 0.3063,
0.3806

 7.6734, 0.2739,
0.5327


369.2481, 0.3068,


 3.8867, 0.2554,


0.3776

0.5939

434.5421, 0.3072,
0.3748

 1.6104, 0.2139,
0.7861


 0.3646, 0.0000,
1.0000


 83.6386, 0.3013,
0.4118


 83.6386, 0.3013,
0.4118


 80.2046, 0.2982,
0.4423

 87.7476, 0.3047,
0.3835

 77.4296, 0.2958,
0.4741

 92.5888, 0.3082,
0.3579

 75.2644, 0.2941,
0.5057

 98.1875, 0.3117,
0.3352

 73.6623, 0.2935,
0.5350

100.0000, 0.3127,
0.3290

■ 72.5696, 0.2940,
0.5601

■ 71.9220, 0.2955,
0.5793

■ 71.6710, 0.2969,
0.5888

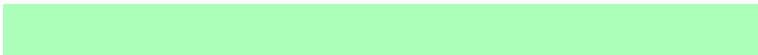
Harmonies

Analogous

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



83.6386, 0.3546, 0.4279



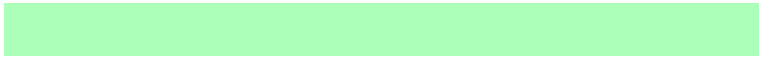
83.6386, 0.3013, 0.4118



83.6386, 0.2536, 0.3660

Triad

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



83.6386, 0.3013, 0.4118



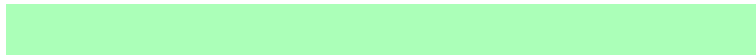
83.6386, 0.2298, 0.2463



83.6386, 0.4109, 0.3341

Complementary

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



83.6386, 0.3013, 0.4118



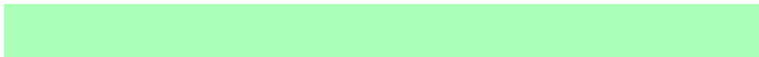
56.7653, 0.3269, 0.2584

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.



83.6386, 0.3715, 0.2937



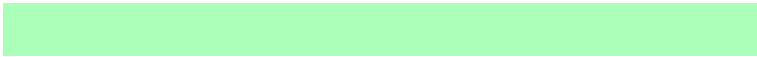
83.6386, 0.3013, 0.4118



83.6386, 0.2655, 0.2450

Square

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



83.6386, 0.3013, 0.4118



83.6386, 0.2151, 0.2685



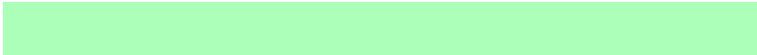
83.6386, 0.3169, 0.2621



83.6386, 0.4205, 0.3765

Rectangle

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



83.6386, 0.3013, 0.4118



83.6386, 0.2309, 0.3290



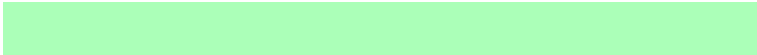
83.6386, 0.3169, 0.2621



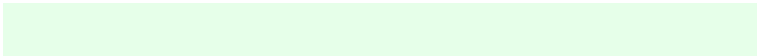
83.6386, 0.4006, 0.3201

Sweetspot

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



83.6312, 0.3013, 0.4118



94.1704, 0.3092, 0.3508



93.4039, 0.3540, 0.4141



19.9943, 0.3087, 0.3541



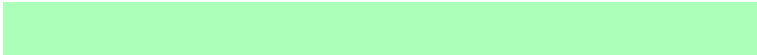
0.0000, 0.0000, 0.0000



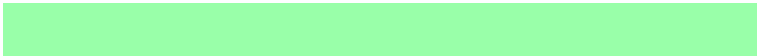
21.4041, 0.3127, 0.3290

Same Dimension

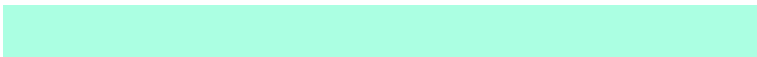
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.6312, 0.3013, 0.4118



81.1520, 0.2991, 0.4331



85.6378, 0.2799, 0.3621



20.2142, 0.3094, 0.3497



37.4632, 0.2964, 0.5870



3.6604, 0.2915, 0.5696

Inverse Universe

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



56.7653, 0.3269, 0.2584



50.2821, 0.3306, 0.2436



54.5461, 0.3627, 0.2986



18.2489, 0.3162, 0.3092



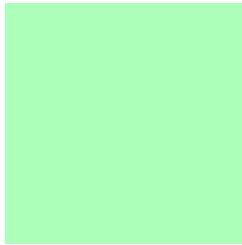
13.6994, 0.3647, 0.1783



1.3464, 0.3589, 0.1751

Previews

White Background



This preview shows how the Yxy color 83.6386, 0.3013, 0.4118 looks on a white background.

Color Contrast Check

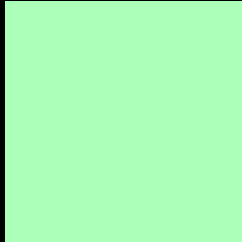
Large Text (above 18pt) WCAG AA × Fail

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 83.6386, 0.3013, 0.4118 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

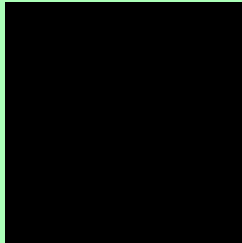
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.6386, 0.3013, 0.4118

Background



This preview shows how black text looks on a background with the Yxy color 83.6386, 0.3013, 0.4118.

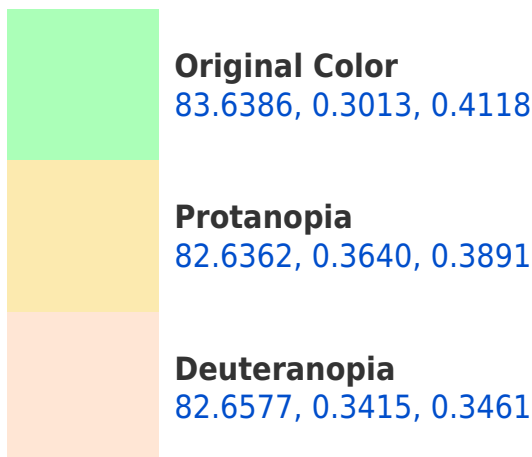


This preview shows how white text looks on a background with the Yxy color 83.6386, 0.3013, 0.4118.

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





Tritanopia

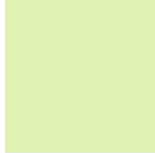
82.9680, 0.2818, 0.3142

Trichromacy



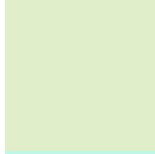
Original Color

83.6386, 0.3013, 0.4118



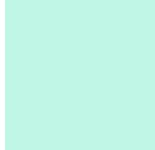
Protanomaly

82.4066, 0.3393, 0.3982



Deuteranomaly

81.8446, 0.3256, 0.3687



Tritanomaly

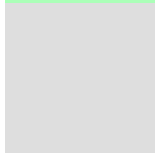
82.7751, 0.2891, 0.3477

Monochromacy



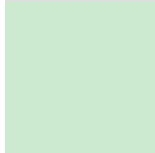
Original Color

83.6386, 0.3013, 0.4118



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.0962, 0.3080, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6386, 0.3013, 0.4118 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(171, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 184)  
}
```

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(171, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 184) }
```

Border

The CSS property to change the border of an element to Yxy 83.6386, 0.3013, 0.4118 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(171, 255, 184) }
```

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

```
.border{ border-color:rgb(171, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6386, 0.3013, 0.4118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 184) }
```

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

```
.background{ background-color: rgb(171,  
255, 184) }
```

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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