

Converting Colors

$Y_{xy}(100.0000, 0.3032, 0.4384)$

Have a look what the booklet for
Yxy(100.0000, 0.3032, 0.4384)
contains.

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Color

Yxy(83.5859, 0.3040, 0.4165)

Conversions

Conversions Part 1

Format	Color
Hex	ACFFB4
RGB	172, 255, 180
RGB Percent	67%, 100%, 71%
CMY	0.3255, 0.0000, 0.2942
CMYK	0.33, 0.00, 0.29, 0.00
HSL	126°, 100%, 84%
HSV	126°, 33%, 100%
XYZ	61.0087, 83.5859, 56.0919
YIQ	221.6330, -25.3930, -40.9210

Conversions

Conversions Part 2

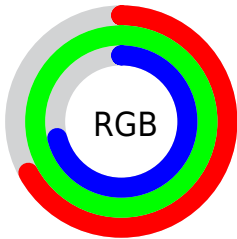
Format	Color
RYB	172, 248, 255
Decimal	11337652
CIELab	93.27, -39.68, 28.07
CIELCh	93, 48.608, 144.728
Yxy	83.5859, 0.3040, 0.4165
Android (android.graphics.Color)	4289527732 (0xFFACFFB4)
YUV	221.6330, -20.5251, -43.5281
Hunter-Lab	91.4253, -40.8802, 27.6217

Details

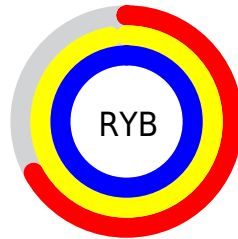
The Yxy color **83.5859, 0.3040, 0.4165** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.4767, 0.3227, 0.2549**, and the grayscale version is **72.9318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2341, 0.3075, 0.3482**, and **45.7024, 0.3006, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **80.1086, 0.3015, 0.4491**, and if you desaturate by 10%, it is **87.7700, 0.3067, 0.3862**.

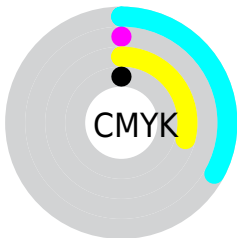
Distribution



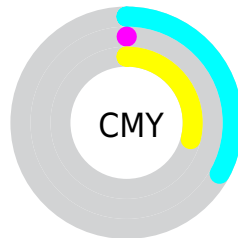
- Red (67%)
- Green (100%)
- Blue (71%)



- Red (67%)
- Yellow (97%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5859, 0.3040, 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 83.5859, 0.3040, 0.4165 by changing the saturation by 10% instead.


 83.5859, 0.3040,
0.4165

 83.5859, 0.3040,
0.4165


506.9371, 0.3091,
0.3748

 62.6736, 0.3026,
0.4263


 138.3958, 0.3060,
0.4018

 45.5772, 0.3006,
0.4384


173.0621, 0.3067,
0.3962

 31.9123, 0.2980,
0.4540


213.0820, 0.3073,
0.3914

 21.2945, 0.2941,
0.4746

258.8397, 0.3078,
0.3872

 13.3395, 0.2881,
0.5029

310.7196, 0.3082,
0.3835

 7.6627, 0.2780,
0.5441


369.1063, 0.3086,


 3.8799, 0.2595,


0.3803


0.6084


434.3840, 0.3089,
0.3774

 1.6066, 0.2102,
0.7898


 0.3620, 0.0000,
1.0000


 83.5859, 0.3040,
0.4165


 83.5859, 0.3040,
0.4165


 80.1086, 0.3015,
0.4491


 87.7700, 0.3067,
0.3862

 77.3028, 0.2993,
0.4827

 92.7015, 0.3094,
0.3589

 75.1239, 0.2978,
0.5155

 98.4131, 0.3121,
0.3347

 73.5233, 0.2969,
0.5453

100.0000, 0.3127,
0.3290

■ 72.4455, 0.2970,
0.5697

■ 71.8236, 0.2978,
0.5869

■ 71.5884, 0.2986,
0.5949

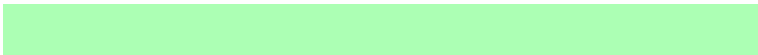
Harmonies

Analogous

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



83.5859, 0.3587, 0.4308



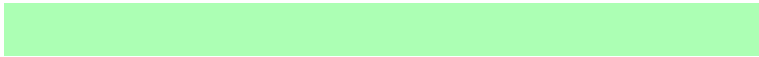
83.5859, 0.3040, 0.4165



83.5859, 0.2543, 0.3704

Triad

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



83.5859, 0.3040, 0.4165



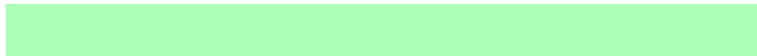
83.5859, 0.2261, 0.2447



83.5859, 0.4123, 0.3315

Complementary

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



83.5859, 0.3040, 0.4165



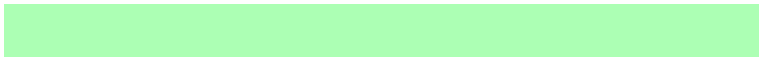
57.4767, 0.3227, 0.2549

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.



83.5859, 0.3702, 0.2905



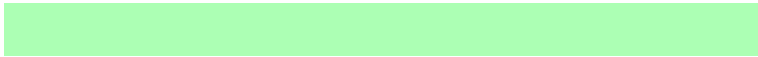
83.5859, 0.3040, 0.4165



83.5859, 0.2615, 0.2423

Square

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



83.5859, 0.3040, 0.4165



83.5859, 0.2123, 0.2686



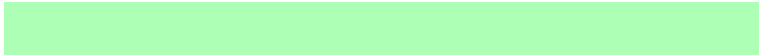
83.5859, 0.3136, 0.2589



83.5859, 0.4241, 0.3751

Rectangle

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



83.5859, 0.3040, 0.4165



83.5859, 0.2303, 0.3321



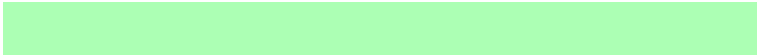
83.5859, 0.3136, 0.2589



83.5859, 0.4011, 0.3172

Sweetspot

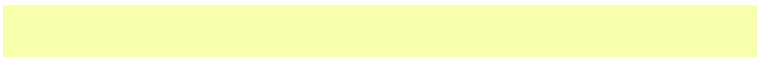
The Sweet Spot groups the original color and five complimentary colors.



83.5845, 0.3040, 0.4165



94.0842, 0.3101, 0.3524



94.4697, 0.3573, 0.4119



19.9736, 0.3097, 0.3559



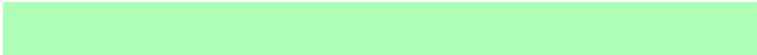
0.0000, 0.0000, 0.0000



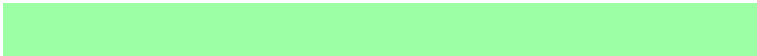
21.4041, 0.3127, 0.3290

Same Dimension

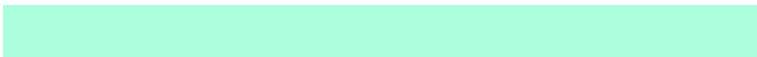
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5845, 0.3040, 0.4165



81.2646, 0.3023, 0.4373



85.4788, 0.2831, 0.3680



20.1966, 0.3102, 0.3512



37.4158, 0.2982, 0.5936



3.6521, 0.2946, 0.5807

Inverse Universe

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



57.4767, 0.3227, 0.2549



51.5041, 0.3251, 0.2406



55.2457, 0.3568, 0.2933



18.2684, 0.3153, 0.3078



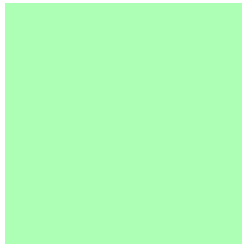
14.1189, 0.3468, 0.1684



1.3831, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 83.5859, 0.3040, 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 83.5859, 0.3040, 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

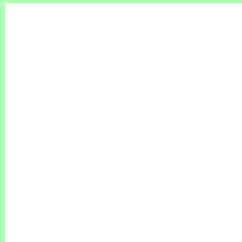
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5859, 0.3040, 0.4165

Background



This preview shows how black text looks on a background with the Yxy color 83.5859, 0.3040, 0.4165.

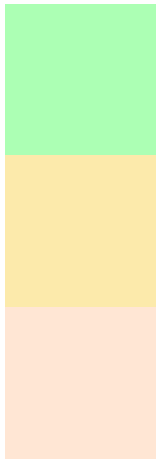


This preview shows how white text looks on a background with the Yxy color 83.5859, 0.3040, 0.4165.

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

83.5859, 0.3040, 0.4165

Protanopia

82.4814, 0.3666, 0.3932

Deuteranopia

82.6071, 0.3421, 0.3471



Tritanopia

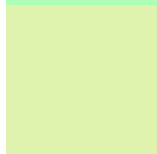
82.9680, 0.2818, 0.3142

Trichromacy



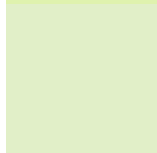
Original Color

83.5859, 0.3040, 0.4165



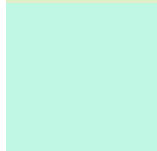
Protanomaly

82.2482, 0.3418, 0.4026



Deuteranomaly

81.9107, 0.3275, 0.3708



Tritanomaly

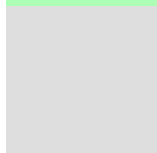
82.7194, 0.2897, 0.3488

Monochromacy



Original Color

83.5859, 0.3040, 0.4165



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.1880, 0.3093, 0.3593

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5859, 0.3040, 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(172, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 180)  
}
```

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(172, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 180) }
```

Border

The CSS property to change the border of an element to Yxy 83.5859, 0.3040, 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(172, 255, 180) }
```

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

```
.border{ border-color:rgb(172, 255, 180) }
```

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

Here you see how a box with a 4 pixel rgb(172, 255, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5859, 0.3040, 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(172, 255, 180) }
```

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

```
.background{ background-color: rgb(172,  
255, 180) }
```

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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