

Converting Colors

$Yxy(83.3160, 0.3052, 0.4209)$

Have a look what the booklet for
Yxy(83.3160, 0.3052, 0.4209)
contains.

Yxy(83.3125, 0.3055, 0.4215)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.3125, 0.3055, 0.4215)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFB0
RGB	171, 255, 176
RGB Percent	67%, 100%, 69%
CMY	0.3295, 0.0000, 0.3099
CMYK	0.33, 0.00, 0.31, 0.00
HSL	124°, 100%, 84%
HSV	124°, 33%, 100%
XYZ	60.3843, 83.3125, 53.9604
YIQ	220.8780, -24.7050, -42.3770

Conversions

Conversions Part 2

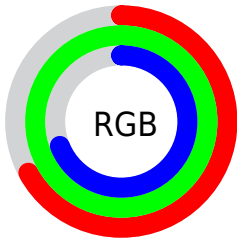
Format	Color
RYB	171, 250, 255
Decimal	11272112
CIELab	93.15, -40.65, 29.92
CIELCh	93, 50.472, 143.643
Yxy	83.3125, 0.3055, 0.4215
Android (android.graphics.Color)	4289462192 (0xFFABFFB0)
YUV	220.8780, -22.1249, -43.7430
Hunter-Lab	91.2757, -41.6441, 28.8419

Details

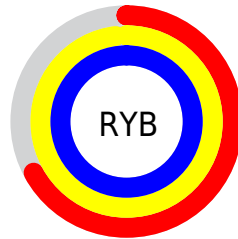
The Yxy color **83.3125, 0.3055, 0.4215** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.2764, 0.3204, 0.2512**, and the grayscale version is **72.3786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8402, 0.3092, 0.3524**, and **45.5312, 0.3025, 0.4447** is the 20% darker color. If you saturate the color by 10%, you get **79.8496, 0.3033, 0.4554**, and if you desaturate by 10%, it is **87.4872, 0.3078, 0.3898**.

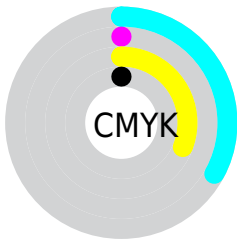
Distribution



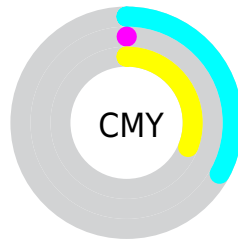
- Red (67%)
- Green (100%)
- Blue (69%)



- Red (67%)
- Yellow (98%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3125, 0.3055, 0.4215 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 83.3125, 0.3055, 0.4215 by changing the saturation by 10% instead.


 83.3125, 0.3055,
0.4215

 83.3125, 0.3055,
0.4215


506.0274, 0.3101,
0.3774

 62.4480, 0.3041,
0.4319


 138.0131, 0.3073,
0.4060

 45.3948, 0.3023,
0.4448


172.6179, 0.3080,
0.4000

 31.7685, 0.2997,
0.4613


212.5716, 0.3085,
0.3948

 21.1847, 0.2958,
0.4831

258.2586, 0.3089,
0.3904

 13.2591, 0.2897,
0.5132

310.0633, 0.3093,
0.3865

 7.6072, 0.2792,
0.5567

368.3701, 0.3096,

 3.8447, 0.2603,

0.3831

0.6260

433.5633, 0.3099,
0.3801

■ 1.5870, 0.1979,
0.8021

■ 0.3488, 0.0000,
1.0000

■ 83.3125, 0.3055,
0.4215

■ 83.3125, 0.3055,
0.4215

■ 79.8496, 0.3033,
0.4554

■ 87.4872, 0.3078,
0.3898

■ 77.0700, 0.3014,
0.4900

■ 92.4235, 0.3100,
0.3612

■ 74.9249, 0.2998,
0.5234

■ 98.1522, 0.3121,
0.3359

■ 73.3642, 0.2989,
0.5529

100.0000, 0.3127,
0.3290

■ 72.3301, 0.2986,
0.5761

■ 71.7531, 0.2989,
0.5914

■ 71.5551, 0.2993,
0.5974

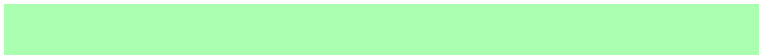
Harmonies

Analogous

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



83.3125, 0.3621, 0.4347



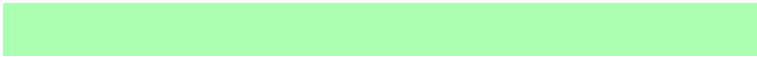
83.3125, 0.3055, 0.4215



83.3125, 0.2536, 0.3742

Triad

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



83.3125, 0.3055, 0.4215



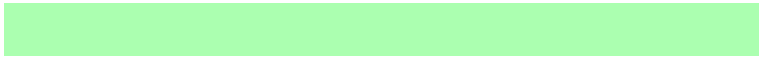
83.3125, 0.2221, 0.2422



83.3125, 0.4151, 0.3297

Complementary

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



83.3125, 0.3055, 0.4215



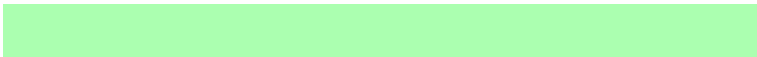
57.2764, 0.3204, 0.2512

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.



83.3125, 0.3705, 0.2876



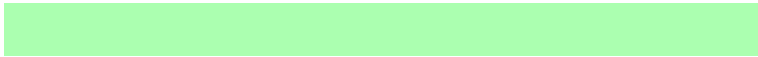
83.3125, 0.3055, 0.4215



83.3125, 0.2578, 0.2391

Square

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



83.3125, 0.3055, 0.4215



83.3125, 0.2088, 0.2675



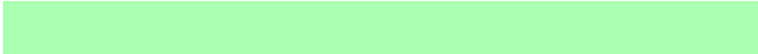
83.3125, 0.3114, 0.2555



83.3125, 0.4286, 0.3748

Rectangle

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



83.3125, 0.3055, 0.4215



83.3125, 0.2283, 0.3342



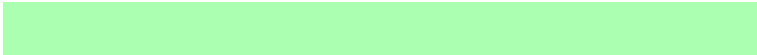
83.3125, 0.3114, 0.2555



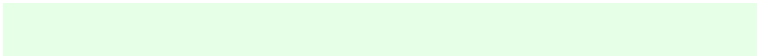
83.3125, 0.4031, 0.3150

Sweetspot

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



83.3084, 0.3055, 0.4215



94.0310, 0.3106, 0.3534



94.9310, 0.3597, 0.4123



19.9609, 0.3103, 0.3571



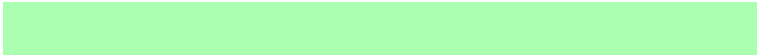
0.0000, 0.0000, 0.0000



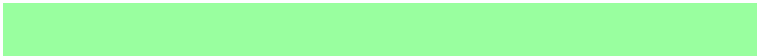
21.4041, 0.3127, 0.3290

Same Dimension

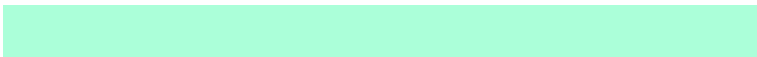
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3084, 0.3055, 0.4215



80.7983, 0.3039, 0.4452



85.1941, 0.2842, 0.3719



20.1857, 0.3107, 0.3521



37.3958, 0.2990, 0.5964



3.6470, 0.2966, 0.5879

Inverse Universe

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



57.2764, 0.3204, 0.2512



50.8771, 0.3223, 0.2352



54.9676, 0.3551, 0.2901



18.2806, 0.3147, 0.3070



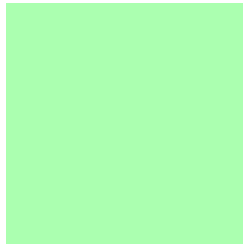
14.3981, 0.3365, 0.1627



1.4073, 0.3345, 0.1617

Previews

White Background



This preview shows how the Yxy color 83.3125, 0.3055, 0.4215 looks on a white background.

Color Contrast Check

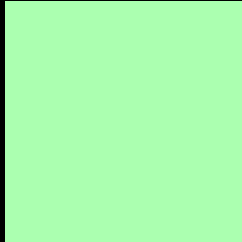
Large Text (above 18pt) WCAG AA × Fail

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 83.3125, 0.3055, 0.4215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

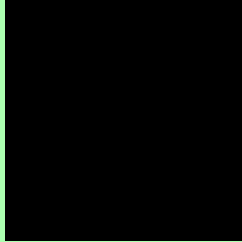
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.3125, 0.3055, 0.4215

Background



This preview shows how black text looks on a background with the Yxy color 83.3125, 0.3055, 0.4215.

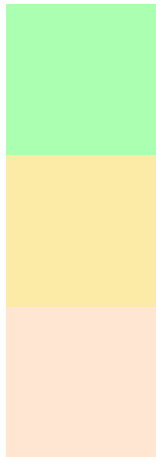


This preview shows how white text looks on a background with the Yxy color 83.3125, 0.3055, 0.4215.

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

83.3125, 0.3055, 0.4215

Protanopia

82.3311, 0.3693, 0.3972

Deuteranopia

82.5568, 0.3428, 0.3482



Tritanopia

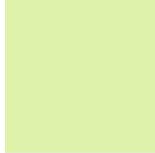
82.8271, 0.2812, 0.3142

Trichromacy



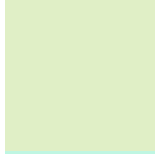
Original Color

83.3125, 0.3055, 0.4215



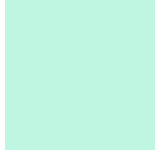
Protanomaly

82.0945, 0.3442, 0.4069



Deuteranomaly

81.6575, 0.3281, 0.3731



Tritanomaly

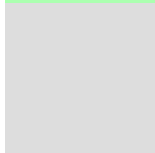
82.4789, 0.2902, 0.3511

Monochromacy



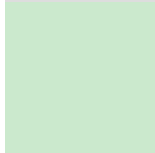
Original Color

83.3125, 0.3055, 0.4215



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3821, 0.3099, 0.3606

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3125, 0.3055, 0.4215 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 83.3125, 0.3055, 0.4215 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, 176) }
```

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

```
.border{ border-color:rgb(171, 255, 176) }
```

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, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3125, 0.3055, 0.4215 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, 176) }
```

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

```
.background{ background-color: rgb(171,  
255, 176) }
```

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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