

Converting Colors

$Y_{xy}(123.3172, 0.2892, 0.4529)$

Have a look what the booklet for
Yxy(123.3172, 0.2892, 0.4529)
contains.

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Color

Yxy(81.8543, 0.2855, 0.4032)

Conversions

Conversions Part 1

Format	Color
Hex	96FFC1
RGB	150, 255, 193
RGB Percent	59%, 100%, 76%
CMY	0.4119, 0.0000, 0.2431
CMYK	0.41, 0.00, 0.24, 0.00
HSL	145°, 100%, 79%
HSV	145°, 41%, 100%
XYZ	57.9598, 81.8543, 63.1975
YIQ	216.5370, -42.6780, -41.5420

Conversions

Conversions Part 2

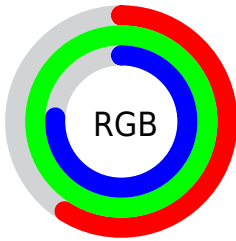
Format	Color
RYB	150, 224, 255
Decimal	9895873
CIELab	92.51, -43.72, 20.26
CIELCh	93, 48.182, 155.140
Yxy	81.8543, 0.2855, 0.4032
Android (android.graphics.Color)	4288085953 (0xFF96FFC1)
YUV	216.5370, -11.6037, -58.3529
Hunter-Lab	90.4734, -43.9762, 21.9161

Details

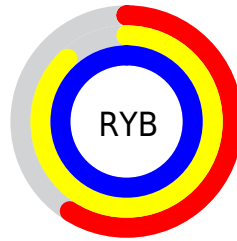
The Yxy color **81.8543, 0.2855, 0.4032** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.8170, 0.3558, 0.2657**, and the grayscale version is **69.1518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8320, 0.2875, 0.3341**, and **44.5794, 0.2786, 0.4228** is the 20% darker color. If you saturate the color by 10%, you get **79.0530, 0.2808, 0.4254**, and if you desaturate by 10%, it is **85.2460, 0.2913, 0.3824**.

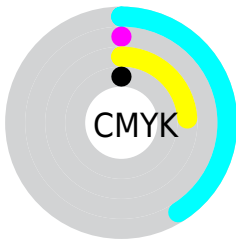
Distribution



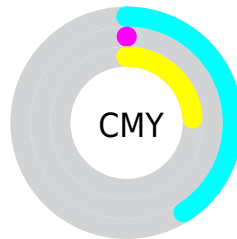
- Red (59%)
- Green (100%)
- Blue (76%)



- Red (59%)
- Yellow (88%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8543, 0.2855, 0.4032 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 81.8543, 0.2855, 0.4032 by changing the saturation by 10% instead.


 81.8543, 0.2855,
0.4032

 81.8543, 0.2855,
0.4032

501.1602, 0.2987,
0.3678

 61.2454, 0.2823,
0.4115

 135.9697, 0.2902,
0.3907

 44.4233, 0.2784,
0.4219


 170.2450, 0.2920,
0.3859

 31.0034, 0.2732,
0.4353


209.8445, 0.2935,
0.3818

 20.6014, 0.2663,
0.4531

255.1528, 0.2948,
0.3783

 12.8330, 0.2566,
0.4778

306.5540, 0.2960,
0.3752

 7.3136, 0.2419,
0.5144

364.4328, 0.2970,

 3.6590, 0.2177,

0.3724

0.5730

429.1734, 0.2979,
0.3700

■ 1.4847, 0.1365,
0.8132

■ 0.2779, 0.0000,
1.0000

■ 81.8543, 0.2855,
0.4032

■ 81.8543, 0.2855,
0.4032

■ 79.0530, 0.2808,
0.4254

■ 85.2460, 0.2913,
0.3824

■ 76.8120, 0.2774,
0.4486

■ 89.2677, 0.2978,
0.3633

■ 75.0883, 0.2758,
0.4720

■ 93.9483, 0.3048,
0.3461

■ 73.8355, 0.2761,
0.4948

■ 99.3165, 0.3119,
0.3307

■ 72.9979, 0.2783,
0.5161

100.0000, 0.3127,
0.3290

■ 72.5291, 0.2815,
0.5332

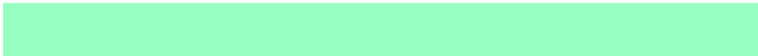
Harmonies

Analogous

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



81.8543, 0.3400, 0.4298



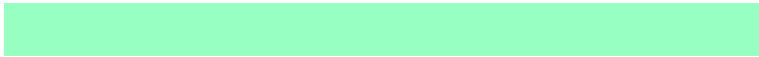
81.8543, 0.2855, 0.4032



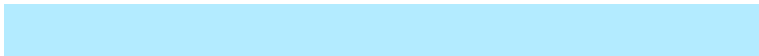
81.8543, 0.2408, 0.3505

Triad

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



81.8543, 0.2855, 0.4032



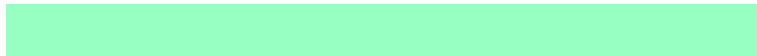
81.8543, 0.2362, 0.2417



81.8543, 0.4200, 0.3467

Complementary

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



81.8543, 0.2855, 0.4032



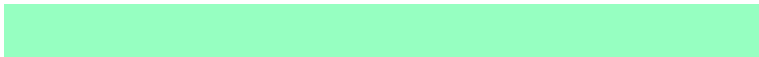
47.8170, 0.3558, 0.2657

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.



81.8543, 0.3873, 0.3040



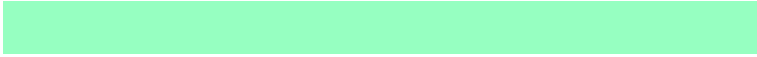
81.8543, 0.2855, 0.4032



81.8543, 0.2782, 0.2462

Square

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



81.8543, 0.2855, 0.4032



81.8543, 0.2147, 0.2580



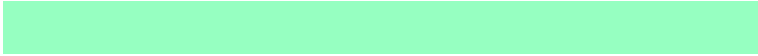
81.8543, 0.3336, 0.2685



81.8543, 0.4201, 0.3892

Rectangle

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



81.8543, 0.2855, 0.4032



81.8543, 0.2218, 0.3130



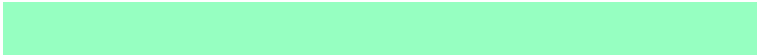
81.8543, 0.3336, 0.2685



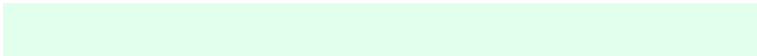
81.8543, 0.4125, 0.3321

Sweetspot

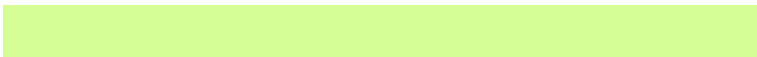
The Sweet Spot groups the original color and five complimentary colors.



81.8521, 0.2855, 0.4032



93.5420, 0.3042, 0.3474



87.8659, 0.3457, 0.4421



19.8843, 0.3033, 0.3496



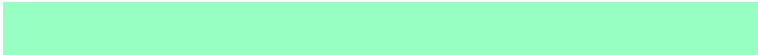
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

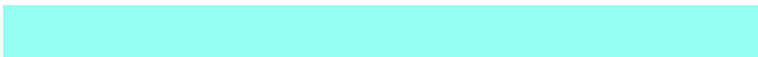
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8521, 0.2855, 0.4032



79.6159, 0.2817, 0.4205



84.5637, 0.2608, 0.3407



20.2916, 0.3059, 0.3434



37.9259, 0.2806, 0.5302



3.7138, 0.2743, 0.5076

Inverse Universe

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



47.8170, 0.3558, 0.2657



41.5890, 0.3675, 0.2543



45.6198, 0.4083, 0.3182



18.1670, 0.3201, 0.3151



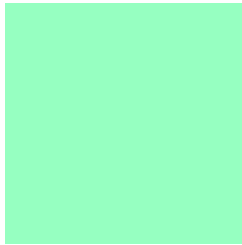
12.2987, 0.4584, 0.2299



1.2192, 0.4384, 0.2189

Previews

White Background



This preview shows how the Yxy color 81.8543, 0.2855, 0.4032 looks on a white background.

Color Contrast Check

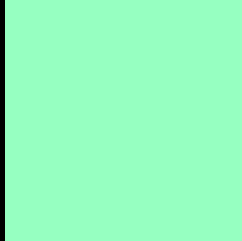
Large Text (above 18pt) WCAG AA × Fail

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 81.8543, 0.2855, 0.4032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

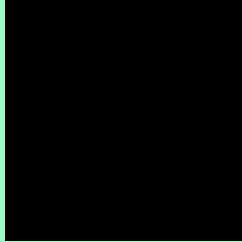
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.8543, 0.2855, 0.4032

Background



This preview shows how black text looks on a background with the Yxy color 81.8543, 0.2855, 0.4032.

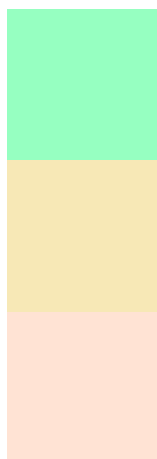


This preview shows how white text looks on a background with the Yxy color 81.8543, 0.2855, 0.4032.

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

81.8543, 0.2855, 0.4032

Protanopia

80.8648, 0.3562, 0.3807

Deuteranopia

80.9516, 0.3426, 0.3442



Tritanopia

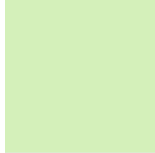
81.2070, 0.2744, 0.3139

Trichromacy



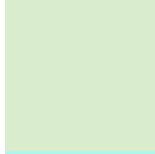
Original Color

81.8543, 0.2855, 0.4032



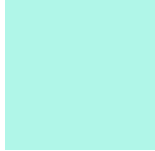
Protanomaly

79.8624, 0.3271, 0.3889



Deuteranomaly

79.7279, 0.3191, 0.3639



Tritanomaly

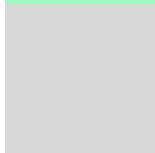
80.9678, 0.2785, 0.3447

Monochromacy



Original Color

81.8543, 0.2855, 0.4032



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.0434, 0.3015, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8543, 0.2855, 0.4032 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(150, 255, 193)` looks like.

```
.text, #text, p{  
  color:rgb(150, 255, 193)  
}
```

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(150, 255, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 193) }
```

Border

The CSS property to change the border of an element to Yxy 81.8543, 0.2855, 0.4032 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(150, 255, 193) }
```

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

```
.border{ border-color:rgb(150, 255, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 193);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8543, 0.2855, 0.4032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 193) }
```

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

```
.background{ background-color: rgb(150,  
255, 193) }
```

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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