

Converting Colors

$Yxy(81.5599, 0.2855, 0.4062)$

Have a look what the booklet for
Yxy(81.5599, 0.2855, 0.4062)
contains.

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Color

Yxy(81.5775, 0.2855, 0.4059)

Conversions

Conversions Part 1

Format	Color
Hex	94FFBF
RGB	148, 255, 191
RGB Percent	58%, 100%, 75%
CMY	0.4196, 0.0000, 0.2509
CMYK	0.42, 0.00, 0.25, 0.00
HSL	144°, 100%, 79%
HSV	144°, 42%, 100%
XYZ	57.3796, 81.5775, 62.0222
YIQ	215.7110, -43.2280, -42.5880

Conversions

Conversions Part 2

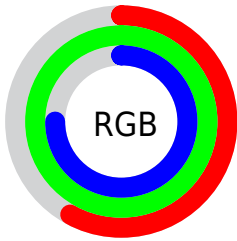
Format	Color
RYB	148, 224, 255
Decimal	9764799
CIELab	92.39, -44.61, 21.09
CIElCh	92, 49.342, 154.701
Yxy	81.5775, 0.2855, 0.4059
Android (android.graphics.Color)	4287954879 (0xFF94FFBF)
YUV	215.7110, -12.1825, -59.3825
Hunter-Lab	90.3203, -44.6611, 22.5102

Details

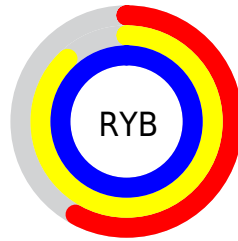
The Yxy color **81.5775, 0.2855, 0.4059** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **47.1966, 0.3561, 0.2637**, and the grayscale version is **68.5724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4191, 0.2874, 0.3362**, and **44.4185, 0.2787, 0.4265** is the 20% darker color. If you saturate the color by 10%, you get **78.8206, 0.2809, 0.4285**, and if you desaturate by 10%, it is **84.9321, 0.2911, 0.3847**.

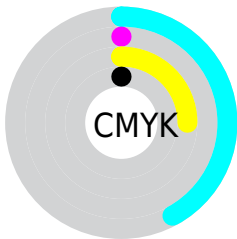
Distribution



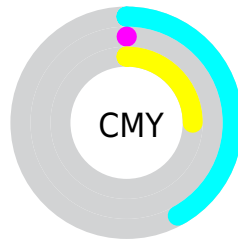
- Red (58%)
- Green (100%)
- Blue (75%)



- Red (58%)
- Yellow (88%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5775, 0.2855, 0.4059 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 81.5775, 0.2855, 0.4059 by changing the saturation by 10% instead.

 81.5775, 0.2855,
0.4059


 81.5775, 0.2855,
0.4059


500.2333, 0.2988,
0.3691

 61.0173, 0.2823,
0.4146

 135.5814, 0.2902,
0.3929

 44.2392, 0.2783,
0.4254


 169.7938, 0.2920,
0.3879

 30.8586, 0.2731,
0.4393

209.3259, 0.2936,
0.3837

 20.4912, 0.2660,
0.4579

254.5619, 0.2949,
0.3800

 12.7526, 0.2561,
0.4837

305.8862, 0.2961,
0.3768

 7.2584, 0.2410,
0.5219


363.6833, 0.2971,


 3.6242, 0.2160,


0.3739


0.5831


428.3376, 0.2980,
0.3714


 1.4657, 0.1262,
0.8625

 0.2644, 0.0000,
1.0000


 81.5775, 0.2855,
0.4059


 81.5775, 0.2855,
0.4059


 78.8206, 0.2809,
0.4285


 84.9321, 0.2911,
0.3847

 76.6184, 0.2778,
0.4520

 88.9119, 0.2975,
0.3652

 74.9318, 0.2763,
0.4757

 93.5501, 0.3043,
0.3476

 73.7134, 0.2768,
0.4986

 98.8756, 0.3113,
0.3319

■ 72.9067, 0.2792,
0.5200

100.0000, 0.3127,
0.3290

■ 72.4894, 0.2821,
0.5356

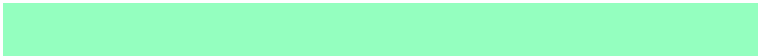
Harmonies

Analogous

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



81.5775, 0.3414, 0.4326



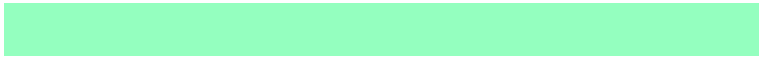
81.5775, 0.2855, 0.4059



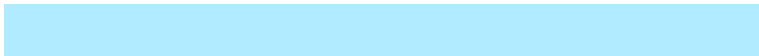
81.5775, 0.2396, 0.3519

Triad

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



81.5775, 0.2855, 0.4059



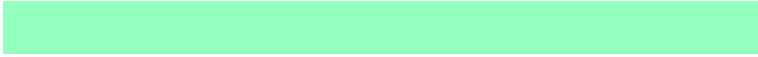
81.5775, 0.2339, 0.2398



81.5775, 0.4225, 0.3462

Complementary

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



81.5775, 0.2855, 0.4059



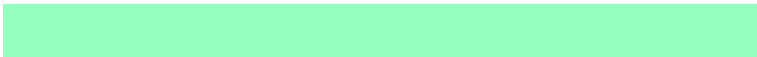
47.1966, 0.3561, 0.2637

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.



81.5775, 0.3885, 0.3028



81.5775, 0.2855, 0.4059



81.5775, 0.2765, 0.2442

Square

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



81.5775, 0.2855, 0.4059



81.5775, 0.2123, 0.2566



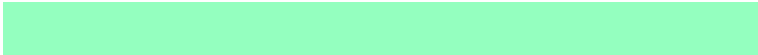
81.5775, 0.3332, 0.2667



81.5775, 0.4229, 0.3898

Rectangle

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



81.5775, 0.2855, 0.4059



81.5775, 0.2200, 0.3132



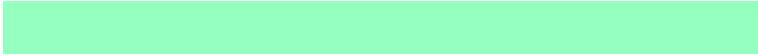
81.5775, 0.3332, 0.2667



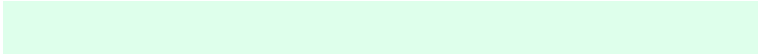
81.5775, 0.4146, 0.3314

Sweetspot

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



81.5795, 0.2855, 0.4059



93.0343, 0.3036, 0.3493



87.6860, 0.3462, 0.4443



19.6850, 0.3021, 0.3531



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.



81.5795, 0.2855, 0.4059



79.3152, 0.2817, 0.4240



84.3670, 0.2601, 0.3410



20.2892, 0.3060, 0.3436



37.9049, 0.2812, 0.5325



3.7116, 0.2750, 0.5099

Inverse Universe

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



47.1966, 0.3561, 0.2637



40.9157, 0.3680, 0.2520



44.9368, 0.4110, 0.3181



18.1695, 0.3200, 0.3149



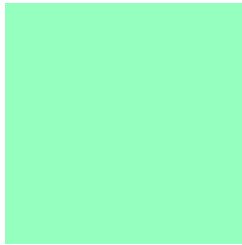
12.3322, 0.4552, 0.2281



1.2224, 0.4357, 0.2174

Previews

White Background



This preview shows how the Yxy color 81.5775, 0.2855, 0.4059 looks on a white background.

Color Contrast Check

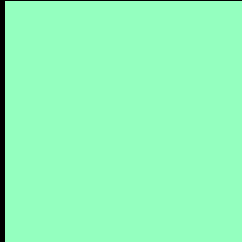
Large Text (above 18pt) WCAG AA × Fail

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 81.5775, 0.2855, 0.4059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

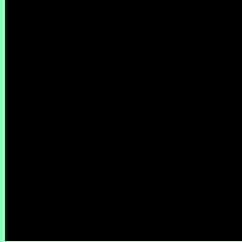
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.5775, 0.2855, 0.4059

Background



This preview shows how black text looks on a background with the Yxy color 81.5775, 0.2855, 0.4059.

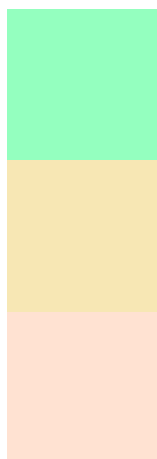


This preview shows how white text looks on a background with the Yxy color 81.5775, 0.2855, 0.4059.

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

81.5775, 0.2855, 0.4059

Protanopia

80.2213, 0.3578, 0.3818

Deuteranopia

80.3059, 0.3442, 0.3452



Tritanopia

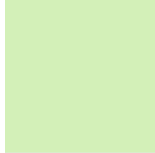
81.0777, 0.2738, 0.3138

Trichromacy



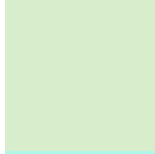
Original Color

81.5775, 0.2855, 0.4059



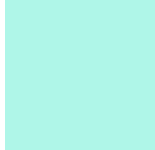
Protanomaly

79.6298, 0.3276, 0.3913



Deuteranomaly

79.4791, 0.3197, 0.3662



Tritanomaly

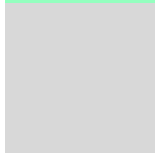
80.8517, 0.2780, 0.3447

Monochromacy



Original Color

81.5775, 0.2855, 0.4059



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.1750, 0.3008, 0.3556

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5775, 0.2855, 0.4059 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(148, 255, 191)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 191)  
}
```

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(148, 255, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 191) }
```

Border

The CSS property to change the border of an element to Yxy 81.5775, 0.2855, 0.4059 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(148, 255, 191) }
```

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

```
.border{ border-color:rgb(148, 255, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 191);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5775, 0.2855, 0.4059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 191) }
```

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

```
.background{ background-color: rgb(148,  
255, 191) }
```

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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