

Converting Colors

$Yxy(81.8092, 0.2782, 0.3599)$

Have a look what the booklet for
Yxy(81.8092, 0.2782, 0.3599)
contains.

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Color

Yxy(81.8059, 0.2782, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	A6FADF
RGB	166, 250, 223
RGB Percent	65%, 98%, 87%
CMY	0.3489, 0.0196, 0.1255
CMYK	0.34, 0.00, 0.11, 0.02
HSL	161°, 89%, 82%
HSV	161°, 34%, 98%
XYZ	63.2353, 81.8059, 82.2605
YIQ	221.8060, -41.3970, -26.2050

Conversions

Conversions Part 2

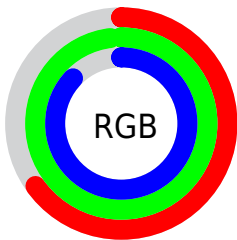
Format	Color
RYB	166, 216, 250
Decimal	10943199
CIELab	92.49, -31.13, 4.90
CIELCh	92, 31.515, 171.064
Yxy	81.8059, 0.2782, 0.3599
Android (android.graphics.Color)	4289133279 (0xFFA6FADF)
YUV	221.8060, 0.5886, -48.9419
Hunter-Lab	90.4466, -33.4841, 9.3888

Details

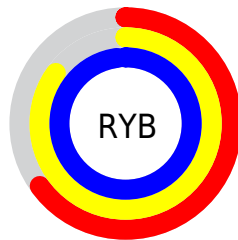
The Yxy color **81.8059, 0.2782, 0.3599** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **51.4636, 0.3661, 0.3005**, and the grayscale version is **72.9277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **44.3466, 0.2704, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **78.9406, 0.2699, 0.3709**, and if you desaturate by 10%, it is **85.2237, 0.2877, 0.3497**.

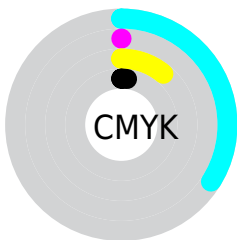
Distribution



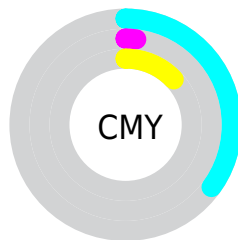
- Red (65%)
- Green (98%)
- Blue (87%)



- Red (65%)
- Yellow (85%)
- Blue (98%)



- Cyan (34%)
- Magenta (0%)
- Yellow (11%)
- Black (2%)





- Cyan (35%)
- Magenta (2%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.8059, 0.2782, 0.3599 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 81.8059, 0.2782, 0.3599 by changing the saturation by 10% instead.


 81.8059, 0.2782,
0.3599


 81.8059, 0.2782,
0.3599


500.9982, 0.2939,
0.3456

 61.2056, 0.2747,
0.3632

 135.9018, 0.2836,
0.3550

 44.3911, 0.2703,
0.3672


 170.1661, 0.2857,
0.3530

 30.9781, 0.2648,
0.3722


209.7539, 0.2876,
0.3514

 20.5822, 0.2578,
0.3789

255.0495, 0.2892,
0.3499

 12.8189, 0.2483,
0.3879

306.4373, 0.2906,
0.3487

 7.3040, 0.2349,
0.4009

364.3018, 0.2918,

 3.6529, 0.2146,

0.3475

0.4211

429.0273, 0.2929,
0.3465

■ 1.4814, 0.1725,
0.4611

■ 0.2756, 0.0000,
1.0000

■ 81.8059, 0.2782,
0.3599

■ 81.8059, 0.2782,
0.3599

■ 78.9406, 0.2699,
0.3709

■ 85.2237, 0.2877,
0.3497

■ 76.5868, 0.2629,
0.3825

■ 89.2122, 0.2980,
0.3403

■ 74.7140, 0.2578,
0.3947

■ 93.8012, 0.3088,
0.3318

■ 73.2840, 0.2545,
0.4071

■ 96.8507, 0.3129,
0.3242

■ 72.2525, 0.2533,
0.4196

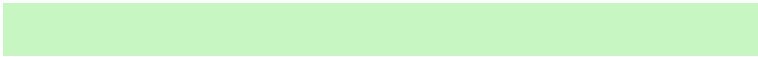
■ 71.5659, 0.2542,
0.4319

■ 71.2568, 0.2555,
0.4397

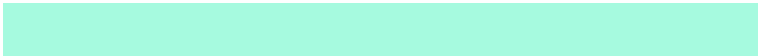
Harmonies

Analogous

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



81.8059, 0.3126, 0.3866



81.8059, 0.2782, 0.3599



81.8059, 0.2539, 0.3246

Triad

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



81.8059, 0.2782, 0.3599



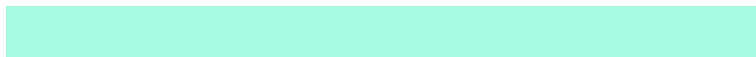
81.8059, 0.2754, 0.2696



81.8059, 0.3857, 0.3583

Complementary

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



81.8059, 0.2782, 0.3599



51.4636, 0.3661, 0.3005

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.



81.8059, 0.3749, 0.3285



81.8059, 0.2782, 0.3599



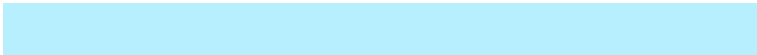
81.8059, 0.3094, 0.2793

Square

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



81.8059, 0.2782, 0.3599



81.8059, 0.2524, 0.2741



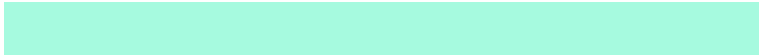
81.8059, 0.3463, 0.3003



81.8059, 0.3755, 0.3830

Rectangle

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



81.8059, 0.2782, 0.3599



81.8059, 0.2460, 0.3026



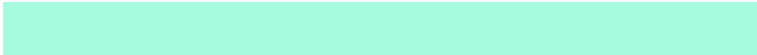
81.8059, 0.3463, 0.3003



81.8059, 0.3844, 0.3486

Sweetspot

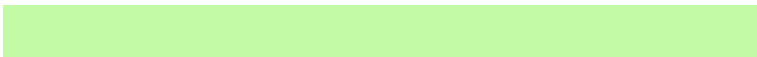
The Sweet Spot groups the original color and five complimentary colors.



81.8092, 0.2782, 0.3599



94.9632, 0.3018, 0.3372



82.5982, 0.3254, 0.4244



20.1856, 0.3003, 0.3384



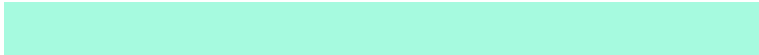
0.0000, 0.0000, 0.0000



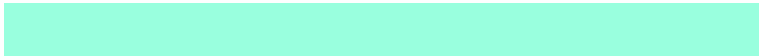
21.4041, 0.3127, 0.3290

Same Dimension

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



81.8092, 0.2782, 0.3599



83.5762, 0.2727, 0.3669



75.0079, 0.2629, 0.3131



19.5080, 0.3023, 0.3367



37.8246, 0.2549, 0.4377



3.5226, 0.2509, 0.4231

Inverse Universe

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



51.4636, 0.3661, 0.3005



47.5797, 0.3810, 0.2949



55.7347, 0.3868, 0.3442



17.3172, 0.3243, 0.3214



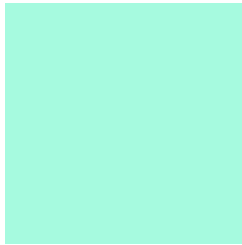
11.1142, 0.5688, 0.2907



1.0479, 0.5353, 0.2722

Previews

White Background



This preview shows how the Yxy color 81.8059, 0.2782, 0.3599 looks on a white background.

Color Contrast Check

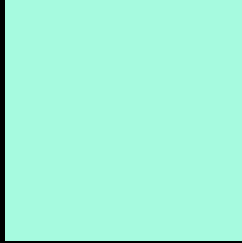
Large Text (above 18pt) WCAG AA × Fail

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 81.8059, 0.2782, 0.3599 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 81.8059, 0.2782, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 81.8059, 0.2782, 0.3599.

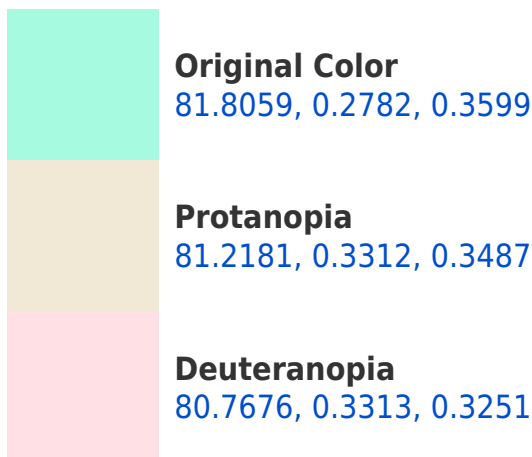


This preview shows how white text looks on a background with the Yxy color 81.8059, 0.2782, 0.3599.

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

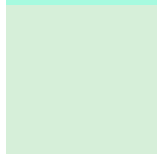
81.5999, 0.2760, 0.3139

Trichromacy



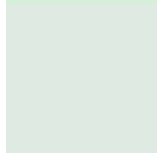
Original Color

81.8059, 0.2782, 0.3599



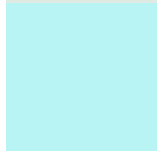
Protanomaly

81.0389, 0.3096, 0.3528



Deuteranomaly

80.0797, 0.3097, 0.3364



Tritanomaly

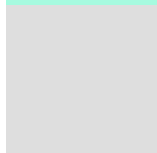
81.3628, 0.2770, 0.3300

Monochromacy



Original Color

81.8059, 0.2782, 0.3599



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

75.5437, 0.2989, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.8059, 0.2782, 0.3599 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(166, 250, 223)` looks like.

```
.text, #text, p{  
    color:rgb(166, 250, 223)  
}
```

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(166, 250, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 250, 223) }
```

Border

The CSS property to change the border of an element to Yxy 81.8059, 0.2782, 0.3599 is called "border". The border property can be set on classes, ids or directly on the HTML element.

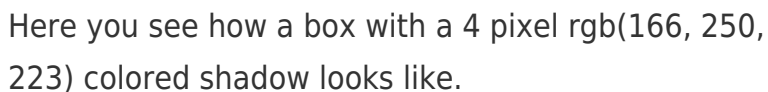
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 250, 223) }
```

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

```
.border{ border-color:rgb(166, 250, 223) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 250, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 250, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 250, 223); box-shadow:4px 4px 4px 4px rgb(166, 250, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 81.8059, 0.2782, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 250, 223) }
```

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

```
.background{ background-color: rgb(166,  
250, 223) }
```

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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