

Converting Colors

$Yxy(86.8789, 0.2880, 0.4070)$

Have a look what the booklet for
Yxy(86.8789, 0.2880, 0.4070)
contains.

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Color

Yxy(82.5281, 0.2876, 0.4001)

Conversions

Conversions Part 1

Format	Color
Hex	9CFFC3
RGB	156, 255, 195
RGB Percent	61%, 100%, 76%
CMY	0.3881, 0.0000, 0.2354
CMYK	0.39, 0.00, 0.24, 0.00
HSL	144°, 100%, 81%
HSV	144°, 39%, 100%
XYZ	59.3229, 82.5281, 64.4177
YIQ	218.5590, -39.7440, -39.6480

Conversions

Conversions Part 2

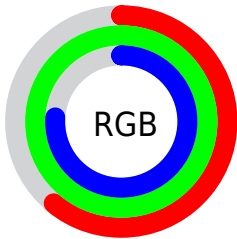
Format	Color
RYB	156, 227, 255
Decimal	10289091
CIELab	92.81, -41.70, 19.70
CIElCh	93, 46.119, 154.711
Yxy	82.5281, 0.2876, 0.4001
Android (android.graphics.Color)	4288479171 (0xFF9CFFC3)
YUV	218.5590, -11.6146, -54.8642
Hunter-Lab	90.8450, -42.4160, 21.5492

Details

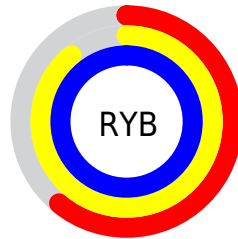
The Yxy color **82.5281, 0.2876, 0.4001** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.0089, 0.3509, 0.2678**, and the grayscale version is **70.6244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8444, 0.2899, 0.3320**, and **45.0206, 0.2813, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **79.5835, 0.2827, 0.4227**, and if you desaturate by 10%, it is **86.0836, 0.2934, 0.3791**.

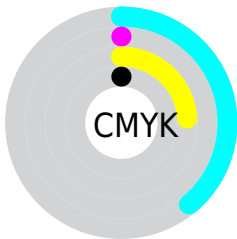
Distribution



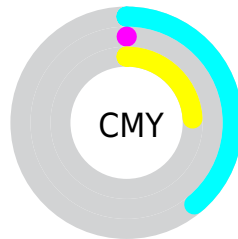
- Red (61%)
- Green (100%)
- Blue (76%)



- Red (61%)
- Yellow (89%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5281, 0.2876, 0.4001 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 82.5281, 0.2876, 0.4001 by changing the saturation by 10% instead.


 82.5281, 0.2876,
0.4001

 82.5281, 0.2876,
0.4001


503.4124, 0.2998,
0.3663

 61.8009, 0.2847,
0.4080

 136.9143, 0.2919,
0.3882

 44.8719, 0.2810,
0.4179


 171.3422, 0.2936,
0.3836

 31.3565, 0.2763,
0.4306

211.1057, 0.2950,
0.3797

 20.8705, 0.2700,
0.4475

256.5893, 0.2962,
0.3763

 13.0294, 0.2610,
0.4709

308.1774, 0.2973,
0.3733

 7.4488, 0.2475,
0.5053

366.2544, 0.2982,

 3.7443, 0.2253,

0.3707

0.5604

431.2046, 0.2990,
0.3684

■ 1.5316, 0.1626,
0.7553

■ 0.3108, 0.0000,
1.0000

■ 82.5281, 0.2876,
0.4001

■ 82.5281, 0.2876,
0.4001

■ 79.5835, 0.2827,
0.4227

■ 86.0836, 0.2934,
0.3791

■ 77.2073, 0.2792,
0.4463

■ 90.2762, 0.2999,
0.3599

■ 75.3618, 0.2772,
0.4703

■ 95.1385, 0.3066,
0.3426

■ 74.0018, 0.2771,
0.4938

100.0000, 0.3127,
0.3290

■ 73.0741, 0.2789,
0.5160

■ 72.5025, 0.2824,
0.5358

■ 72.4468, 0.2828,
0.5381

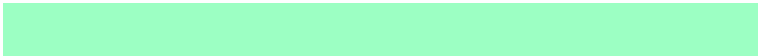
Harmonies

Analogous

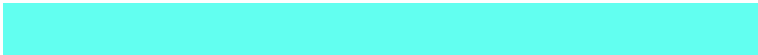
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5281, 0.3399, 0.4250



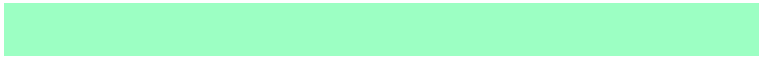
82.5281, 0.2876, 0.4001



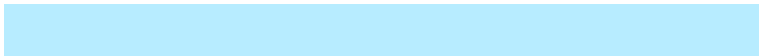
82.5281, 0.2444, 0.3504

Triad

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



82.5281, 0.2876, 0.4001



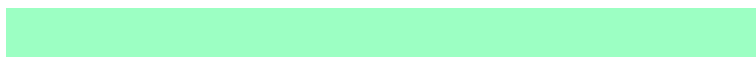
82.5281, 0.2389, 0.2454



82.5281, 0.4149, 0.3457

Complementary

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



82.5281, 0.2876, 0.4001



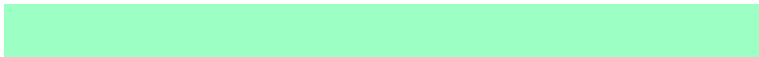
50.0089, 0.3509, 0.2678

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.



82.5281, 0.3833, 0.3047



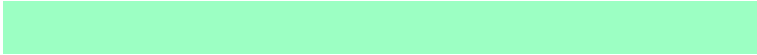
82.5281, 0.2876, 0.4001



82.5281, 0.2791, 0.2493

Square

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



82.5281, 0.2876, 0.4001



82.5281, 0.2185, 0.2615



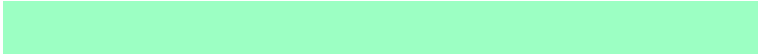
82.5281, 0.3320, 0.2705



82.5281, 0.4156, 0.3865

Rectangle

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



82.5281, 0.2876, 0.4001



82.5281, 0.2259, 0.3147



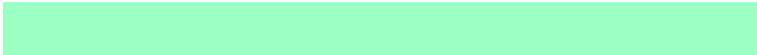
82.5281, 0.3320, 0.2705



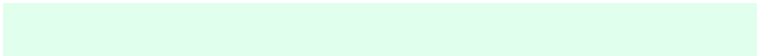
82.5281, 0.4075, 0.3317

Sweetspot

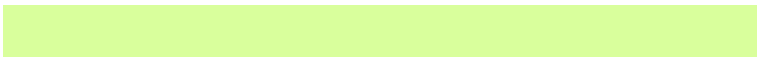
The Sweet Spot groups the original color and five complimentary colors.



82.5303, 0.2876, 0.4001



93.5131, 0.3045, 0.3479



88.6828, 0.3452, 0.4348



19.8775, 0.3036, 0.3502



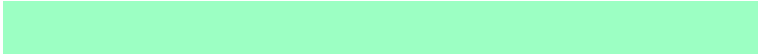
0.0000, 0.0000, 0.0000



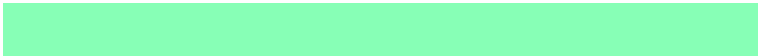
21.4041, 0.3127, 0.3290

Same Dimension

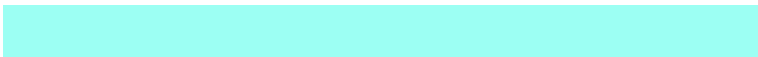
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5303, 0.2876, 0.4001



80.0736, 0.2835, 0.4185



85.0898, 0.2640, 0.3418



20.2866, 0.3062, 0.3438



37.8823, 0.2819, 0.5350



3.7092, 0.2756, 0.5123

Inverse Universe

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



50.0089, 0.3509, 0.2678



43.1760, 0.3624, 0.2553



47.8597, 0.3986, 0.3171



18.1722, 0.3199, 0.3147



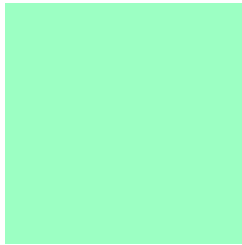
12.3696, 0.4518, 0.2262



1.2259, 0.4327, 0.2157

Previews

White Background



This preview shows how the Yxy color 82.5281, 0.2876, 0.4001 looks on a white background.

Color Contrast Check

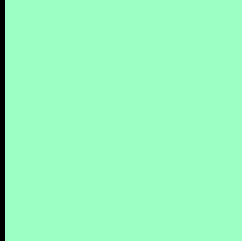
Large Text (above 18pt) WCAG AA × Fail

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 82.5281, 0.2876, 0.4001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

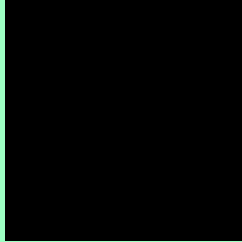
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.5281, 0.2876, 0.4001

Background



This preview shows how black text looks on a background with the Yxy color 82.5281, 0.2876, 0.4001.

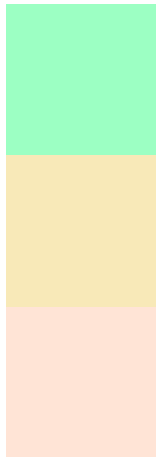


This preview shows how white text looks on a background with the Yxy color 82.5281, 0.2876, 0.4001.

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

82.5281, 0.2876, 0.4001

Protanopia

81.6950, 0.3554, 0.3795

Deuteranopia

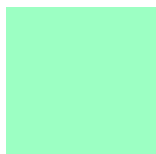
81.6018, 0.3411, 0.3431



Tritanopia

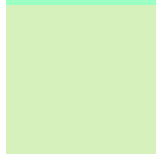
81.7327, 0.2766, 0.3140

Trichromacy



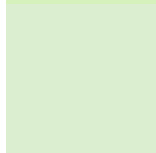
Original Color

82.5281, 0.2876, 0.4001



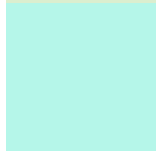
Protanomaly

80.9885, 0.3278, 0.3872



Deuteranomaly

80.7141, 0.3191, 0.3625



Tritanomaly

81.6185, 0.2807, 0.3434

Monochromacy



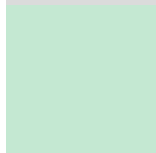
Original Color

82.5281, 0.2876, 0.4001



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.1021, 0.3022, 0.3540

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5281, 0.2876, 0.4001 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(156, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(156, 255, 195)  
}
```

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(156, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 255, 195) }
```

Border

The CSS property to change the border of an element to Yxy 82.5281, 0.2876, 0.4001 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(156, 255, 195) }
```

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

```
.border{ border-color:rgb(156, 255, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 255, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(156, 255,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5281, 0.2876, 0.4001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 255, 195) }
```

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

```
.background{ background-color: rgb(156,  
255, 195) }
```

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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