

Converting Colors

$Yxy(89.4795, 0.2879, 0.4071)$

Have a look what the booklet for
Yxy(89.4795, 0.2879, 0.4071)
contains.

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Color

Yxy(82.8203, 0.2876, 0.3974)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9EFFC5 |
| RGB | 158, 255, 197 |
| RGB Percent | 62%, 100%, 77% |
| CMY | 0.3804, 0.0000, 0.2275 |
| CMYK | 0.38, 0.00, 0.23, 0.00 |
| HSL | 144°, 100%, 81% |
| HSV | 144°, 38%, 100% |
| XYZ | 59.9374, 82.8203, 65.6477 |
| YIQ | 219.3850, -39.1940, -38.6020 |

Conversions

Conversions Part 2

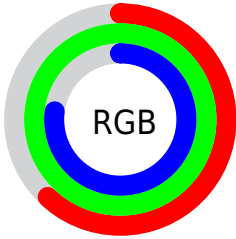
| Format | Color |
|-------------------------------------|--|
| RYB | 158, 227, 255 |
| Decimal | 10420165 |
| CIELab | 92.94, -40.78, 18.86 |
| CIELCh | 93, 44.932, 155.181 |
| Yxy | 82.8203, 0.2876, 0.3974 |
| Android (android.graphics.Color) | 4288610245 (0xFF9EFFC5) |
| YUV | 219.3850, -11.0358, -53.8346 |
| Hunter-Lab | 91.0057, -41.6977, 20.9346 |

Details

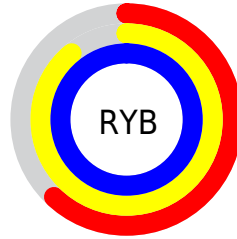
The Yxy color **82.8203, 0.2876, 0.3974** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **50.6703, 0.3507, 0.2698**, and the grayscale version is **71.2166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1228, 0.2894, 0.3300**, and **45.1961, 0.2812, 0.4149** is the 20% darker color. If you saturate the color by 10%, you get **79.8328, 0.2826, 0.4195**, and if you desaturate by 10%, it is **86.4141, 0.2936, 0.3768**.

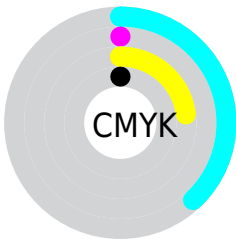
Distribution



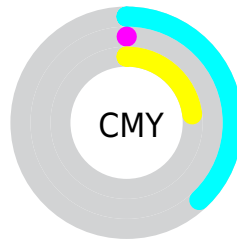
- Red (62%)
- Green (100%)
- Blue (77%)



- Red (62%)
- Yellow (89%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8203, 0.2876, 0.3974 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 82.8203, 0.2876, 0.3974 by changing the saturation by 10% instead.

 82.8203, 0.2876,
0.3974


 82.8203, 0.2876,
0.3974


504.3874, 0.2997,
0.3649

 62.0419, 0.2847,
0.4050

 137.3237, 0.2919,
0.3860

 45.0666, 0.2811,
0.4145


 171.8176, 0.2935,
0.3816

 31.5099, 0.2765,
0.4266


211.6521, 0.2949,
0.3778

 20.9874, 0.2702,
0.4427

257.2115, 0.2961,
0.3746

 13.1148, 0.2615,
0.4650

308.8804, 0.2972,
0.3717

 7.5076, 0.2484,
0.4979


367.0431, 0.2981,


 3.7816, 0.2269,


0.3692

0.5503


432.0840, 0.2990,
0.3670


 1.5521, 0.1694,
0.7191


 0.3250, 0.0000,
1.0000


 82.8203, 0.2876,
0.3974


 82.8203, 0.2876,
0.3974


 79.8328, 0.2826,
0.4195


 86.4141, 0.2936,
0.3768

 77.4173, 0.2788,
0.4427

 90.6481, 0.3002,
0.3581

 75.5340, 0.2767,
0.4664

 95.5520, 0.3071,
0.3412

 74.1385, 0.2764,
0.4898

100.0000, 0.3127,
0.3290

■ 73.1782, 0.2780,
0.5119

■ 72.5828, 0.2814,
0.5319

■ 72.4898, 0.2821,
0.5355

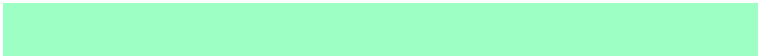
Harmonies

Analogous

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



82.8203, 0.3385, 0.4222



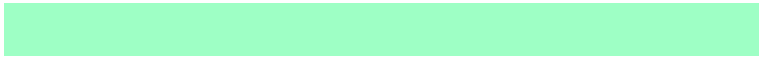
82.8203, 0.2876, 0.3974



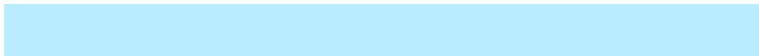
82.8203, 0.2457, 0.3491

Triad

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



82.8203, 0.2876, 0.3974



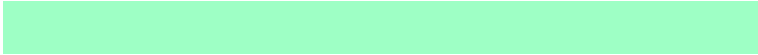
82.8203, 0.2413, 0.2474



82.8203, 0.4124, 0.3461

Complementary

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



82.8203, 0.2876, 0.3974



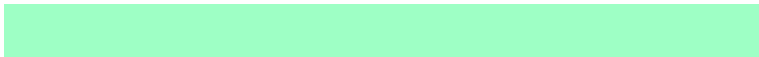
50.6703, 0.3507, 0.2698

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.



82.8203, 0.3821, 0.3059



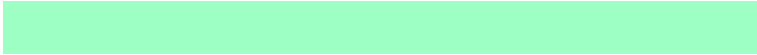
82.8203, 0.2876, 0.3974



82.8203, 0.2807, 0.2514

Square

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



82.8203, 0.2876, 0.3974



82.8203, 0.2210, 0.2629



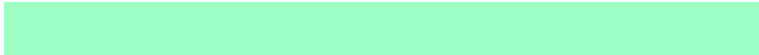
82.8203, 0.3324, 0.2724



82.8203, 0.4127, 0.3858

Rectangle

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



82.8203, 0.2876, 0.3974



82.8203, 0.2277, 0.3144



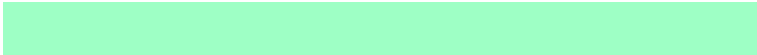
82.8203, 0.3324, 0.2724



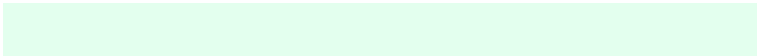
82.8203, 0.4053, 0.3324

Sweetspot

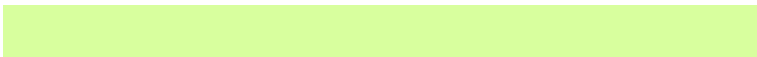
The Sweet Spot groups the original color and five complimentary colors.



82.8199, 0.2876, 0.3974



94.0292, 0.3050, 0.3460



88.6177, 0.3435, 0.4330



19.9811, 0.3041, 0.3482



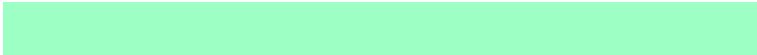
0.0000, 0.0000, 0.0000



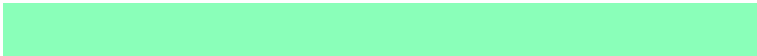
21.4041, 0.3127, 0.3290

Same Dimension

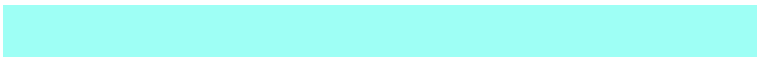
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8199, 0.2876, 0.3974



80.3947, 0.2835, 0.4149



85.3996, 0.2641, 0.3397



20.2892, 0.3060, 0.3436



37.9051, 0.2812, 0.5325



3.7116, 0.2750, 0.5098

Inverse Universe

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



50.6703, 0.3507, 0.2698



43.8971, 0.3619, 0.2577



48.5284, 0.3978, 0.3190



18.1695, 0.3200, 0.3149



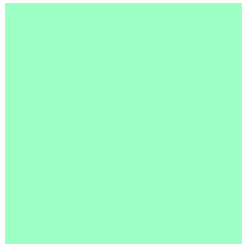
12.3318, 0.4553, 0.2282



1.2223, 0.4357, 0.2174

Previews

White Background



This preview shows how the Yxy color 82.8203, 0.2876, 0.3974 looks on a white background.

Color Contrast Check

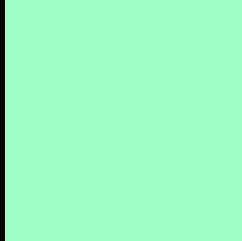
Large Text (above 18pt) WCAG AA × Fail

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 82.8203, 0.2876, 0.3974 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 82.8203, 0.2876, 0.3974

Background



This preview shows how black text looks on a background with the Yxy color 82.8203, 0.2876, 0.3974.

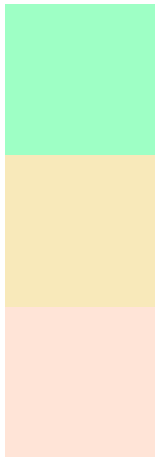


This preview shows how white text looks on a background with the Yxy color 82.8203, 0.2876, 0.3974.

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

82.8203, 0.2876, 0.3974

Protanopia

81.7795, 0.3540, 0.3774

Deuteranopia

81.6531, 0.3404, 0.3421



Tritanopia

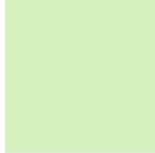
82.5946, 0.2778, 0.3151

Trichromacy



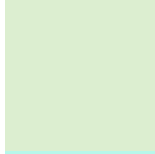
Original Color

82.8203, 0.2876, 0.3974



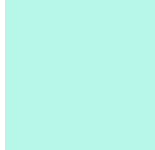
Protanomaly

81.0754, 0.3266, 0.3850



Deuteranomaly

80.9188, 0.3192, 0.3614



Tritanomaly

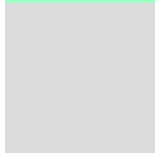
82.5293, 0.2814, 0.3433

Monochromacy



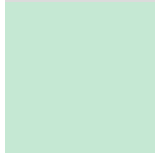
Original Color

82.8203, 0.2876, 0.3974



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2867, 0.3023, 0.3528

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8203, 0.2876, 0.3974 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(158, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 197)  
}
```

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(158, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 197) }
```

Border

The CSS property to change the border of an element to Yxy 82.8203, 0.2876, 0.3974 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(158, 255, 197) }
```

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

```
.border{ border-color:rgb(158, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8203, 0.2876, 0.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 197) }
```

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

```
.background{ background-color: rgb(158,  
255, 197) }
```

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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