

Converting Colors

$Y_{xy}(100.0000, 0.2802, 0.4128)$

Have a look what the booklet for
Yxy(100.0000, 0.2802, 0.4128)
contains.

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Color

Yxy(82.1793, 0.2776, 0.3872)

Conversions

Conversions Part 1

Format	Color
Hex	93FFCE
RGB	147, 255, 206
RGB Percent	58%, 100%, 81%
CMY	0.4239, 0.0000, 0.1922
CMYK	0.42, 0.00, 0.19, 0.00
HSL	153°, 100%, 79%
HSV	153°, 42%, 100%
XYZ	58.9178, 82.1793, 71.1428
YIQ	217.1220, -48.6390, -38.1350

Conversions

Conversions Part 2

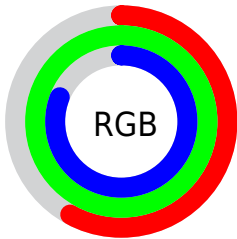
Format	Color
RYB	147, 217, 255
Decimal	9699278
CIELab	92.65, -42.01, 13.79
CIELCh	93, 44.216, 161.833
Yxy	82.1793, 0.2776, 0.3872
Android (android.graphics.Color)	4287889358 (0xFF93FFCE)
YUV	217.1220, -5.4831, -61.4970
Hunter-Lab	90.6528, -42.6302, 16.9271

Details

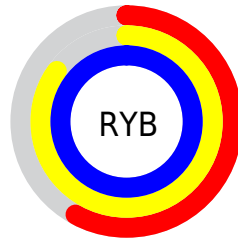
The Yxy color **82.1793, 0.2776, 0.3872** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **46.0757, 0.3723, 0.2784**, and the grayscale version is **69.5151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7191, 0.2833, 0.3289**, and **44.8288, 0.2693, 0.4014** is the 20% darker color. If you saturate the color by 10%, you get **79.5280, 0.2717, 0.4040**, and if you desaturate by 10%, it is **85.3739, 0.2847, 0.3714**.

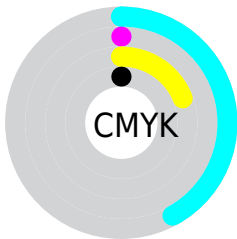
Distribution



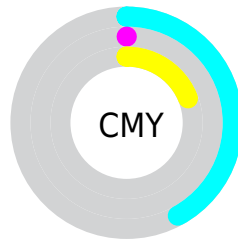
- Red (58%)
- Green (100%)
- Blue (81%)



- Red (58%)
- Yellow (85%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1793, 0.2776, 0.3872 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 82.1793, 0.2776, 0.3872 by changing the saturation by 10% instead.


 82.1793, 0.2776,
0.3872

 82.1793, 0.2776,
0.3872


502.2472, 0.2940,
0.3597

 61.5133, 0.2738,
0.3936


 136.4254, 0.2833,
0.3776

 44.6396, 0.2691,
0.4016


 170.7744, 0.2855,
0.3738

 31.1736, 0.2632,
0.4118


210.4531, 0.2874,
0.3707

 20.7311, 0.2553,
0.4253

255.8460, 0.2891,
0.3679

 12.9276, 0.2446,
0.4440

307.3375, 0.2906,
0.3655

 7.3787, 0.2291,
0.4714

365.3119, 0.2918,

 3.7000, 0.2048,

0.3633

430.1537, 0.2930,
0.3614

0.5153

1.5072, 0.1288,
0.6347

0.2938, 0.0000,
1.0000

82.1793, 0.2776,
0.3872

82.1793, 0.2776,
0.3872

79.5280, 0.2717,
0.4040

85.3739, 0.2847,
0.3714

77.4146, 0.2675,
0.4216

89.1748, 0.2928,
0.3568

75.7890, 0.2651,
0.4396

93.6020, 0.3015,
0.3436

74.6049, 0.2647,
0.4576

98.6834, 0.3105,
0.3317

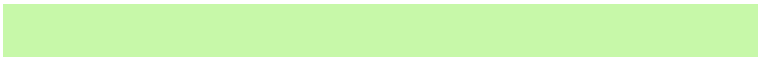
■ 73.8066, 0.2665, 100.0000, 0.3127,
0.4751 0.3290

■ 73.3958, 0.2688,
0.4878

Harmonies

Analogous

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



82.1793, 0.3270, 0.4182



82.1793, 0.2776, 0.3872



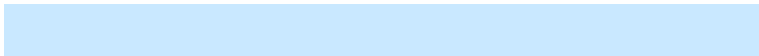
82.1793, 0.2396, 0.3372

Triad

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



82.1793, 0.2776, 0.3872



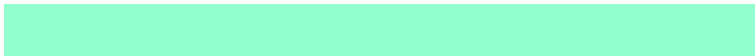
82.1793, 0.2493, 0.2477



82.1793, 0.4138, 0.3550

Complementary

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



82.1793, 0.2776, 0.3872



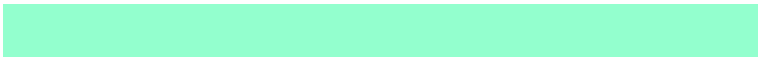
46.0757, 0.3723, 0.2784

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.



82.1793, 0.3900, 0.3147



82.1793, 0.2776, 0.3872



82.1793, 0.2918, 0.2556

Square

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



82.1793, 0.2776, 0.3872



82.1793, 0.2247, 0.2586



82.1793, 0.3438, 0.2795



82.1793, 0.4074, 0.3929

Rectangle

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



82.1793, 0.2776, 0.3872



82.1793, 0.2250, 0.3042



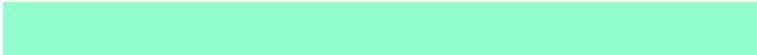
82.1793, 0.3438, 0.2795



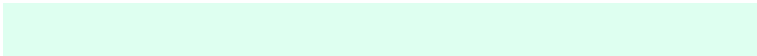
82.1793, 0.4091, 0.3414

Sweetspot

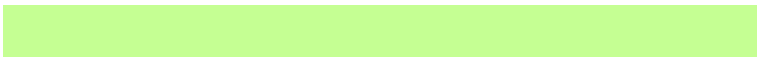
The Sweet Spot groups the original color and five complimentary colors.



82.1691, 0.2776, 0.3872



93.3155, 0.3010, 0.3443



85.5400, 0.3369, 0.4493



19.7542, 0.2990, 0.3472



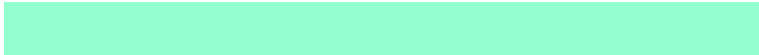
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

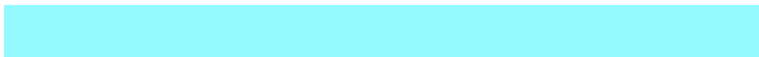
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1691, 0.2776, 0.3872



79.8637, 0.2725, 0.4016



82.6556, 0.2542, 0.3248



20.3343, 0.3041, 0.3400



38.3814, 0.2681, 0.4851



3.7591, 0.2627, 0.4657

Inverse Universe

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



46.0757, 0.3723, 0.2784



39.3713, 0.3906, 0.2688



45.3352, 0.4224, 0.3331



18.1240, 0.3223, 0.3183



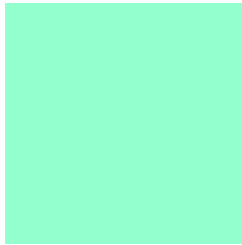
11.7920, 0.5162, 0.2617



1.1698, 0.4883, 0.2464

Previews

White Background



This preview shows how the Yxy color 82.1793, 0.2776, 0.3872 looks on a white background.

Color Contrast Check

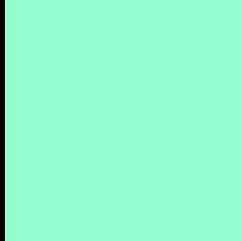
Large Text (above 18pt) WCAG AA × Fail

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 82.1793, 0.2776, 0.3872 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

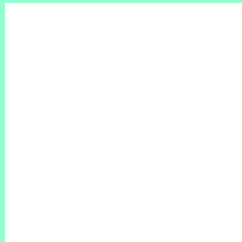
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.1793, 0.2776, 0.3872

Background



This preview shows how black text looks on a background with the Yxy color 82.1793, 0.2776, 0.3872.

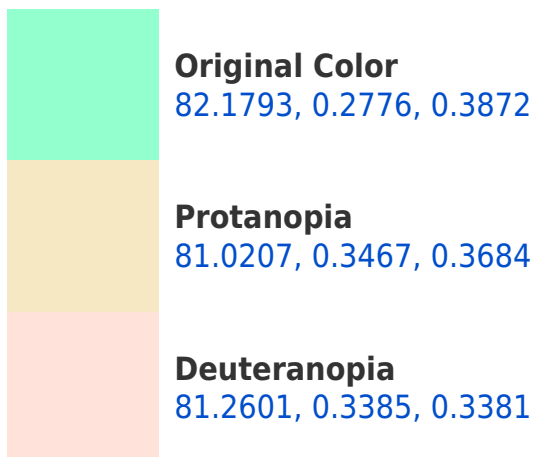


This preview shows how white text looks on a background with the Yxy color 82.1793, 0.2776, 0.3872.

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

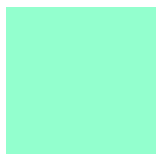




Tritanopia

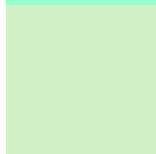
81.8006, 0.2745, 0.3149

Trichromacy



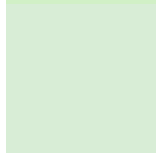
Original Color

82.1793, 0.2776, 0.3872



Protanomaly

79.9527, 0.3178, 0.3756



Deuteranomaly

80.0223, 0.3129, 0.3539



Tritanomaly

81.7499, 0.2755, 0.3401

Monochromacy



Original Color

82.1793, 0.2776, 0.3872



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

73.1624, 0.2978, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1793, 0.2776, 0.3872 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(147, 255, 206)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 206)  
}
```

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(147, 255, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 206) }
```

Border

The CSS property to change the border of an element to Yxy 82.1793, 0.2776, 0.3872 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(147, 255, 206) }
```

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

```
.border{ border-color:rgb(147, 255, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 255, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 255, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 255, 206);  
box-shadow:4px 4px 4px 4px rgb(147, 255,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1793, 0.2776, 0.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 255, 206) }
```

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

```
.background{ background-color: rgb(147,  
255, 206) }
```

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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