

Converting Colors

$Yxy(82.9125, 0.2789, 0.3826)$

Have a look what the booklet for
Yxy(82.9125, 0.2789, 0.3826)
contains.

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Color

Yxy(82.8958, 0.2791, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	99FFD1
RGB	153, 255, 209
RGB Percent	60%, 100%, 82%
CMY	0.3999, 0.0000, 0.1804
CMYK	0.40, 0.00, 0.18, 0.00
HSL	153°, 100%, 80%
HSV	153°, 40%, 100%
XYZ	60.4079, 82.8958, 73.1344
YIQ	219.2580, -46.0260, -35.9300

Conversions

Conversions Part 2

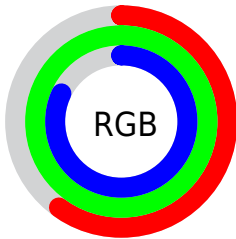
Format	Color
RYB	153, 219, 255
Decimal	10092497
CIELab	92.97, -39.81, 12.72
CIELCh	93, 41.790, 162.273
Yxy	82.8958, 0.2791, 0.3830
Android (android.graphics.Color)	4288282577 (0xFF99FFD1)
YUV	219.2580, -5.0572, -58.1083
Hunter-Lab	91.0471, -40.9014, 16.1078

Details

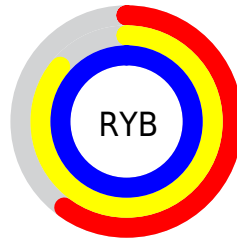
The Yxy color **82.8958, 0.2791, 0.3830** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.1750, 0.3678, 0.2815**, and the grayscale version is **71.0908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **45.2415, 0.2707, 0.3959** is the 20% darker color. If you saturate the color by 10%, you get **80.1262, 0.2729, 0.3995**, and if you desaturate by 10%, it is **86.2409, 0.2865, 0.3676**.

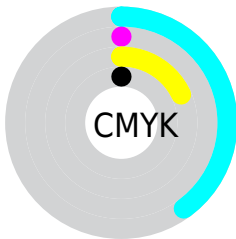
Distribution



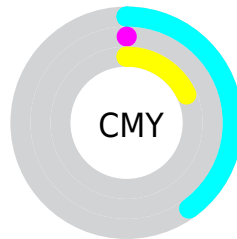
- Red (60%)
- Green (100%)
- Blue (82%)



- Red (60%)
- Yellow (86%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.8958, 0.2791, 0.3830 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 82.8958, 0.2791, 0.3830 by changing the saturation by 10% instead.


 82.8958, 0.2791,
0.3830


 82.8958, 0.2791,
0.3830

504.6392, 0.2947,
0.3576

 62.1042, 0.2755,
0.3889


 137.4295, 0.2845,
0.3741

 45.1169, 0.2711,
0.3962


 171.9404, 0.2867,
0.3707

 31.5495, 0.2654,
0.4056


211.7932, 0.2885,
0.3677

 21.0176, 0.2581,
0.4179

257.3722, 0.2900,
0.3652

 13.1369, 0.2480,
0.4349

309.0620, 0.2914,
0.3629

 7.5229, 0.2335,
0.4598

367.2468, 0.2927,

 3.7912, 0.2109,

0.3610

0.4995

432.3111, 0.2938,
0.3592

■ 1.5575, 0.1497,
0.5935

■ 0.3287, 0.0000,
1.0000

■ 82.8958, 0.2791,
0.3830

■ 82.8958, 0.2791,
0.3830

■ 80.1262, 0.2729,
0.3995

■ 86.2409, 0.2865,
0.3676

■ 77.8909, 0.2682,
0.4169

■ 90.1871, 0.2948,
0.3534

■ 76.1530, 0.2653,
0.4347

■ 94.7660, 0.3036,
0.3405

■ 74.8681, 0.2644,
0.4527

100.0000, 0.3127,
0.3290

■ 73.9833, 0.2657,
0.4702

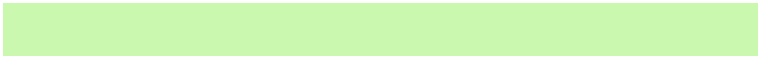
■ 73.4128, 0.2686,
0.4870

■ 73.4124, 0.2686,
0.4870

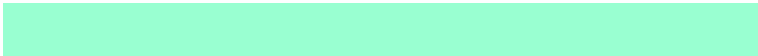
Harmonies

Analogous

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



82.8958, 0.3257, 0.4124



82.8958, 0.2791, 0.3830



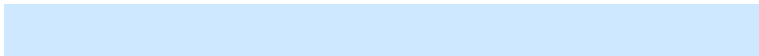
82.8958, 0.2433, 0.3362

Triad

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



82.8958, 0.2791, 0.3830



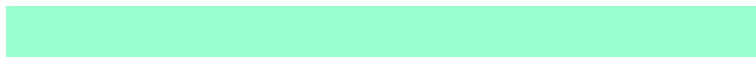
82.8958, 0.2533, 0.2519



82.8958, 0.4080, 0.3546

Complementary

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



82.8958, 0.2791, 0.3830



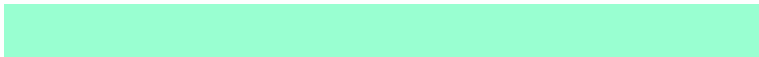
48.1750, 0.3678, 0.2815

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.



82.8958, 0.3860, 0.3162



82.8958, 0.2791, 0.3830



82.8958, 0.2938, 0.2597

Square

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



82.8958, 0.2791, 0.3830



82.8958, 0.2295, 0.2622



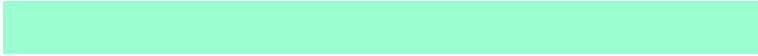
82.8958, 0.3428, 0.2826



82.8958, 0.4018, 0.3902

Rectangle

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



82.8958, 0.2791, 0.3830



82.8958, 0.2294, 0.3052



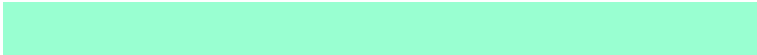
82.8958, 0.3428, 0.2826



82.8958, 0.4037, 0.3417

Sweetspot

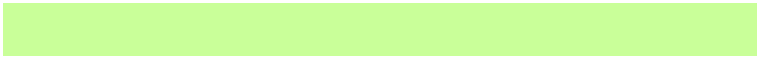
The Sweet Spot groups the original color and five complimentary colors.



82.8979, 0.2791, 0.3830



93.7939, 0.3018, 0.3430



86.1846, 0.3359, 0.4419



19.9435, 0.3006, 0.3446



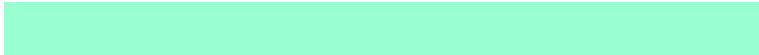
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

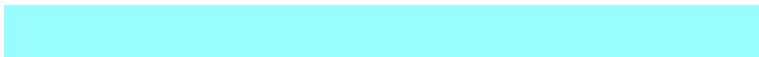
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8979, 0.2791, 0.3830



80.6340, 0.2740, 0.3962



83.3649, 0.2569, 0.3250



20.3350, 0.3041, 0.3399



38.3901, 0.2679, 0.4843



3.7600, 0.2625, 0.4650

Inverse Universe

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



48.1750, 0.3678, 0.2815



41.5487, 0.3843, 0.2723



47.4798, 0.4133, 0.3329



18.1233, 0.3223, 0.3183



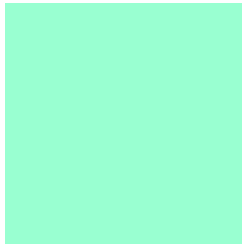
11.7852, 0.5172, 0.2623



1.1691, 0.4892, 0.2468

Previews

White Background



This preview shows how the Yxy color 82.8958, 0.2791, 0.3830 looks on a white background.

Color Contrast Check

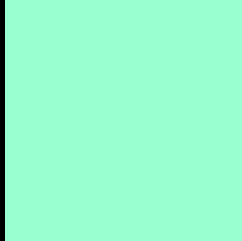
Large Text (above 18pt) WCAG AA × Fail

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 82.8958, 0.2791, 0.3830 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 82.8958, 0.2791, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 82.8958, 0.2791, 0.3830.

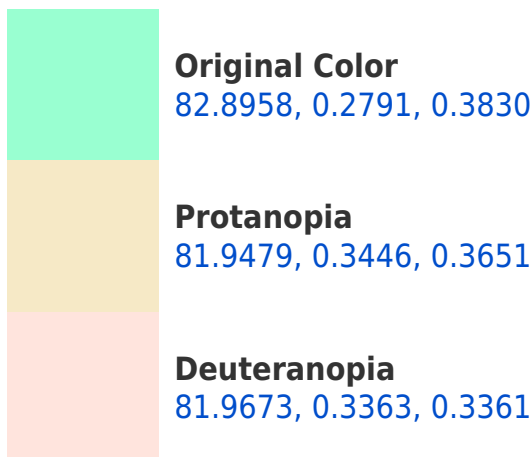


This preview shows how white text looks on a background with the Yxy color 82.8958, 0.2791, 0.3830.

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

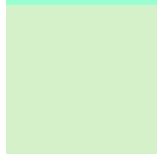
82.3264, 0.2767, 0.3150

Trichromacy



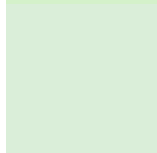
Original Color

82.8958, 0.2791, 0.3830



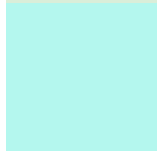
Protanomaly

81.1719, 0.3173, 0.3718



Deuteranomaly

81.0643, 0.3123, 0.3516



Tritanomaly

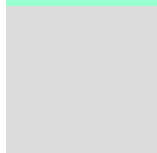
82.3979, 0.2777, 0.3389

Monochromacy



Original Color

82.8958, 0.2791, 0.3830



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.2216, 0.2986, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8958, 0.2791, 0.3830 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(153, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 209)  
}
```

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(153, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 209) }
```

Border

The CSS property to change the border of an element to Yxy 82.8958, 0.2791, 0.3830 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(153, 255, 209) }
```

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

```
.border{ border-color:rgb(153, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8958, 0.2791, 0.3830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 209) }
```

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

```
.background{ background-color: rgb(153,  
255, 209) }
```

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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