

Converting Colors

$Yxy(80.7690, 0.2793, 0.4037)$

Have a look what the booklet for
Yxy(80.7690, 0.2793, 0.4037)
contains.

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Color

Yxy(80.8183, 0.2792, 0.4031)

Conversions

Conversions Part 1

Format	Color
Hex	8AFFC2
RGB	138, 255, 194
RGB Percent	54%, 100%, 76%
CMY	0.4589, 0.0000, 0.2392
CMYK	0.46, 0.00, 0.24, 0.00
HSL	149°, 100%, 77%
HSV	149°, 46%, 100%
XYZ	55.9773, 80.8183, 63.6963
YIQ	213.0630, -50.1510, -43.7750

Conversions

Conversions Part 2

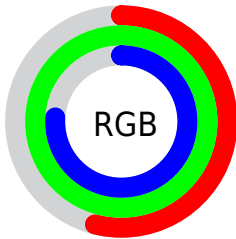
Format	Color
RYB	138, 217, 255
Decimal	9109442
CIELab	92.05, -46.63, 19.03
CIElCh	92, 50.358, 157.802
Yxy	80.8183, 0.2792, 0.4031
Android (android.graphics.Color)	4287299522 (0xFF8AFFC2)
YUV	213.0630, -9.3981, -65.8303
Hunter-Lab	89.8990, -46.1768, 20.9205

Details

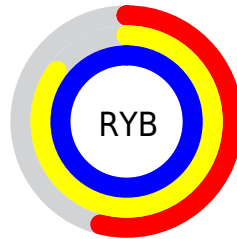
The Yxy color **80.8183, 0.2792, 0.4031** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **43.5532, 0.3710, 0.2665**, and the grayscale version is **66.6696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2208, 0.2804, 0.3331**, and **43.9439, 0.2709, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **78.3213, 0.2745, 0.4230**, and if you desaturate by 10%, it is **83.8773, 0.2852, 0.3843**.

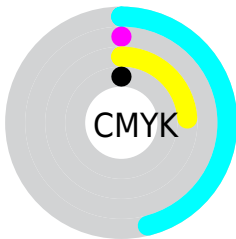
Distribution



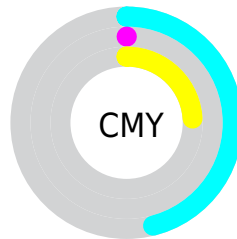
- Red (54%)
- Green (100%)
- Blue (76%)



- Red (54%)
- Yellow (85%)
- Blue (100%)



- Cyan (46%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (46%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8183, 0.2792, 0.4031 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 80.8183, 0.2792, 0.4031 by changing the saturation by 10% instead.

 80.8183, 0.2792,
0.4031


 80.8183, 0.2792,
0.4031


497.6863, 0.2953,
0.3677

 60.3920, 0.2754,
0.4115


 134.5156, 0.2849,
0.3906

 43.7346, 0.2706,
0.4219


 168.5554, 0.2871,
0.3858

 30.4620, 0.2645,
0.4354


207.9017, 0.2889,
0.3817

 20.1895, 0.2563,
0.4533

252.9391, 0.2905,
0.3781

 12.5329, 0.2449,
0.4784

304.0518, 0.2919,
0.3750

 7.1077, 0.2280,
0.5155


361.6243, 0.2932,


 3.5295, 0.2005,


0.3723


426.0410, 0.2943,
0.3698


0.5753

 1.4140, 0.0779,
0.8486


 0.2270, 0.0000,
1.0000


 80.8183, 0.2792,
0.4031


 80.8183, 0.2792,
0.4031


 78.3213, 0.2745,
0.4230


 83.8773, 0.2852,
0.3843


 76.3515, 0.2714,
0.4436

 87.5352, 0.2923,
0.3668

 74.8655, 0.2702,
0.4644

 91.8223, 0.2999,
0.3510

 73.8136, 0.2710,
0.4846

 96.7679, 0.3079,
0.3367

■ 73.1349, 0.2738,
0.5037

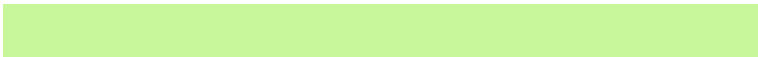
100.0000, 0.3127,
0.3290

■ 72.9278, 0.2753,
0.5112

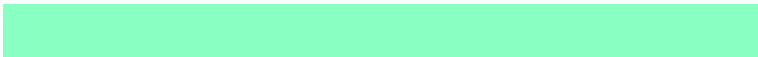
Harmonies

Analogous

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



80.8183, 0.3359, 0.4342



80.8183, 0.2792, 0.4031



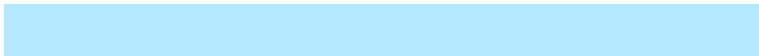
80.8183, 0.2341, 0.3461

Triad

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



80.8183, 0.2792, 0.4031



80.8183, 0.2358, 0.2374



80.8183, 0.4268, 0.3511

Complementary

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



80.8183, 0.2792, 0.4031



43.5532, 0.3710, 0.2665

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.



80.8183, 0.3953, 0.3065



80.8183, 0.2792, 0.4031



80.8183, 0.2811, 0.2440

Square

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



80.8183, 0.2792, 0.4031



80.8183, 0.2114, 0.2521



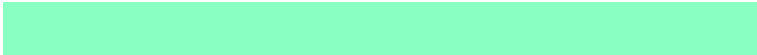
80.8183, 0.3399, 0.2686



80.8183, 0.4235, 0.3952

Rectangle

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



80.8183, 0.2792, 0.4031



80.8183, 0.2158, 0.3070



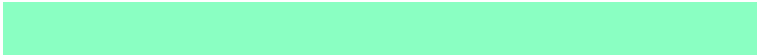
80.8183, 0.3399, 0.2686



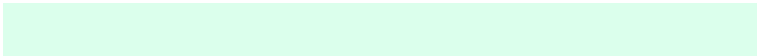
80.8183, 0.4199, 0.3359

Sweetspot

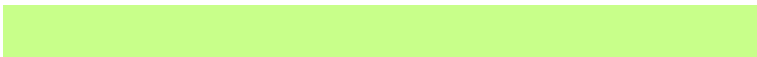
The Sweet Spot groups the original color and five complimentary colors.



80.8174, 0.2792, 0.4031



92.7058, 0.3014, 0.3481



85.6877, 0.3434, 0.4579



19.6274, 0.2997, 0.3514



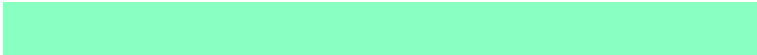
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.8174, 0.2792, 0.4031



78.5216, 0.2748, 0.4212



83.8929, 0.2529, 0.3332



20.3131, 0.3050, 0.3417



38.1361, 0.2745, 0.5082



3.7351, 0.2686, 0.4869

Inverse Universe

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



43.5532, 0.3710, 0.2665



37.0885, 0.3885, 0.2555



41.3807, 0.4339, 0.3253



18.1452, 0.3212, 0.3167



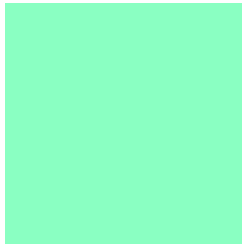
12.0225, 0.4875, 0.2459



1.1927, 0.4632, 0.2326

Previews

White Background



This preview shows how the Yxy color 80.8183, 0.2792, 0.4031 looks on a white background.

Color Contrast Check

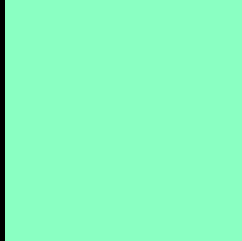
Large Text (above 18pt) WCAG AA × Fail

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 80.8183, 0.2792, 0.4031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

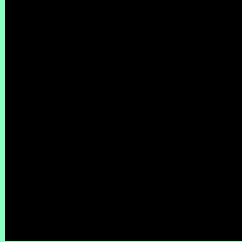
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.8183, 0.2792, 0.4031

Background



This preview shows how black text looks on a background with the Yxy color 80.8183, 0.2792, 0.4031.

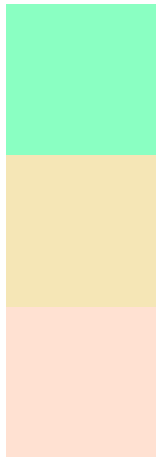


This preview shows how white text looks on a background with the Yxy color 80.8183, 0.2792, 0.4031.

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

80.8183, 0.2792, 0.4031

Protanopia

79.3835, 0.3552, 0.3790

Deuteranopia

79.7636, 0.3444, 0.3442



Tritanopia

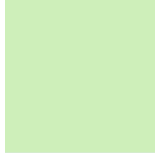
80.3209, 0.2705, 0.3137

Trichromacy



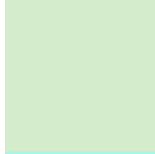
Original Color

80.8183, 0.2792, 0.4031



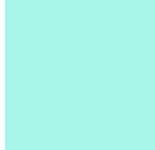
Protanomaly

78.4000, 0.3231, 0.3886



Deuteranomaly

78.3476, 0.3164, 0.3643



Tritanomaly

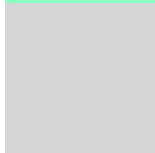
80.0102, 0.2732, 0.3437

Monochromacy



Original Color

80.8183, 0.2792, 0.4031



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.3821, 0.2981, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8183, 0.2792, 0.4031 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(138, 255, 194)` looks like.

```
.text, #text, p{  
    color:rgb(138, 255, 194)  
}
```

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(138, 255, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 255, 194) }
```

Border

The CSS property to change the border of an element to Yxy 80.8183, 0.2792, 0.4031 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(138, 255, 194) }
```

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

```
.border{ border-color:rgb(138, 255, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 255, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 255, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 255, 194);  
box-shadow:4px 4px 4px 4px rgb(138, 255,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8183, 0.2792, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 255, 194) }
```

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

```
.background{ background-color: rgb(138,  
255, 194) }
```

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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