

Converting Colors

$Yxy(80.1710, 0.2896, 0.4279)$

Have a look what the booklet for
Yxy(80.1710, 0.2896, 0.4279)
contains.

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Color

Yxy(80.1906, 0.2894, 0.4273)

Conversions

Conversions Part 1

Format	Color
Hex	8CFFAF
RGB	140, 255, 175
RGB Percent	55%, 100%, 69%
CMY	0.4510, 0.0000, 0.3138
CMYK	0.45, 0.00, 0.31, 0.00
HSL	138°, 100%, 77%
HSV	138°, 45%, 100%
XYZ	54.3112, 80.1906, 53.1664
YIQ	211.4950, -42.8600, -49.2600

Conversions

Conversions Part 2

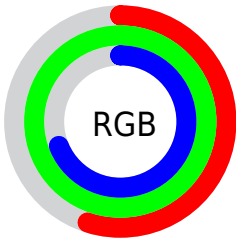
Format	Color
RYB	140, 228, 255
Decimal	9240495
CIELab	91.77, -49.62, 28.32
CIELCh	92, 57.131, 150.284
Yxy	80.1906, 0.2894, 0.4273
Android (android.graphics.Color)	4287430575 (0xFF8CFFAF)
YUV	211.4950, -17.9920, -62.7011
Hunter-Lab	89.5492, -48.4517, 27.4833

Details

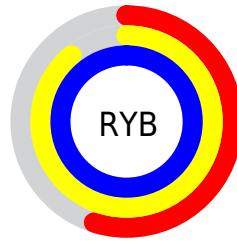
The Yxy color **80.1906, 0.2894, 0.4273** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **45.1823, 0.3495, 0.2485**, and the grayscale version is **65.6261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2953, 0.2919, 0.3547**, and **43.0870, 0.2821, 0.4523** is the 20% darker color. If you saturate the color by 10%, you get **77.5735, 0.2860, 0.4540**, and if you desaturate by 10%, it is **83.4107, 0.2938, 0.4019**.

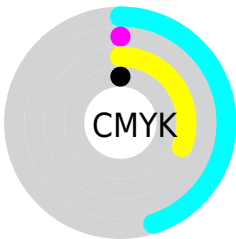
Distribution



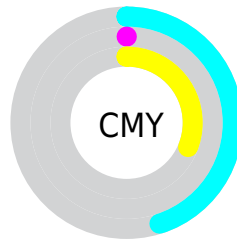
- Red (55%)
- Green (100%)
- Blue (69%)



- Red (55%)
- Yellow (89%)
- Blue (100%)



- Cyan (45%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1906, 0.2894, 0.4273 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 80.1906, 0.2894, 0.4273 by changing the saturation by 10% instead.


 80.1906, 0.2894,
0.4273


 80.1906, 0.2894,
0.4273

495.5749, 0.3015,
0.3797

 59.8752, 0.2863,
0.4386


 133.6337, 0.2939,
0.4104

 43.3181, 0.2823,
0.4529


 167.5301, 0.2955,
0.4040

 30.1347, 0.2770,
0.4712

206.7224, 0.2969,
0.3984

 19.9409, 0.2695,
0.4957

251.5949, 0.2981,
0.3937

 12.3521, 0.2586,
0.5299

302.5320, 0.2991,
0.3895

 6.9839, 0.2412,
0.5803


359.9181, 0.3000,


 3.4521, 0.2121,


0.3859


0.6640


424.1376, 0.3008,
0.3826


 1.3720, 0.0195,
0.9805


 0.1960, 0.0000,
1.0000

 80.1906, 0.2894,
0.4273


 80.1906, 0.2894,
0.4273

 77.5735, 0.2860,
0.4540


 83.4107, 0.2938,
0.4019


 75.5226, 0.2840,
0.4812

 87.2723, 0.2988,
0.3783

 73.9925, 0.2836,
0.5076

 91.8076, 0.3043,
0.3569

 72.9320, 0.2849,
0.5319

 97.0472, 0.3099,
0.3379

■ 72.2783, 0.2877,
0.5529

100.0000, 0.3127,
0.3290

■ 72.0642, 0.2894,
0.5618

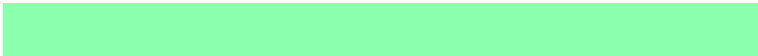
Harmonies

Analogous

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



80.1906, 0.3540, 0.4513



80.1906, 0.2894, 0.4273



80.1906, 0.2344, 0.3656

Triad

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



80.1906, 0.2894, 0.4273



80.1906, 0.2171, 0.2280



80.1906, 0.4371, 0.3397

Complementary

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



80.1906, 0.2894, 0.4273



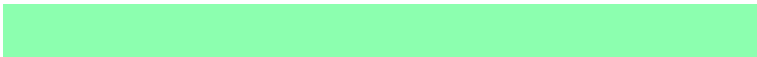
45.1823, 0.3495, 0.2485

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.



80.1906, 0.3924, 0.2916



80.1906, 0.2894, 0.4273



80.1906, 0.2620, 0.2301

Square

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



80.1906, 0.2894, 0.4273



80.1906, 0.1967, 0.2499



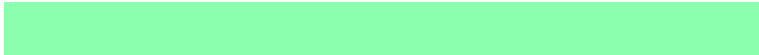
80.1906, 0.3258, 0.2528



80.1906, 0.4427, 0.3900

Rectangle

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



80.1906, 0.2894, 0.4273



80.1906, 0.2100, 0.3191



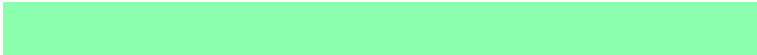
80.1906, 0.3258, 0.2528



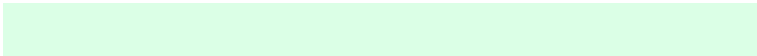
80.1906, 0.4261, 0.3231

Sweetspot

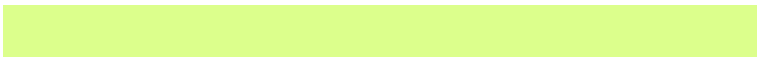
The Sweet Spot groups the original color and five complimentary colors.



80.1897, 0.2894, 0.4273



92.3490, 0.3049, 0.3547



88.7068, 0.3560, 0.4501



19.5409, 0.3037, 0.3591



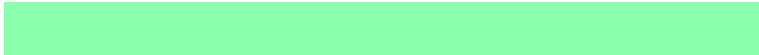
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.1897, 0.2894, 0.4273



77.8329, 0.2864, 0.4511



82.9211, 0.2622, 0.3556



20.2592, 0.3074, 0.3460



37.6782, 0.2886, 0.5590



3.6870, 0.2824, 0.5366

Inverse Universe

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



45.1823, 0.3495, 0.2485



38.8618, 0.3596, 0.2343



42.6589, 0.4095, 0.3052



18.2007, 0.3185, 0.3126



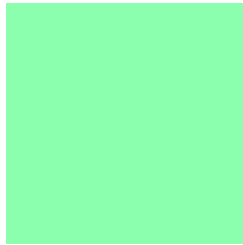
12.8038, 0.4165, 0.2068



1.2661, 0.4029, 0.1993

Previews

White Background



This preview shows how the Yxy color 80.1906, 0.2894, 0.4273 looks on a white background.

Color Contrast Check

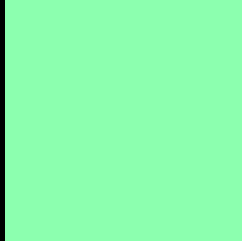
Large Text (above 18pt) WCAG AA × Fail

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 80.1906, 0.2894, 0.4273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

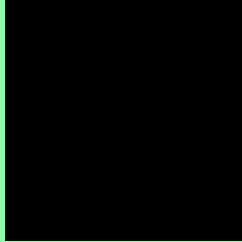
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.1906, 0.2894, 0.4273

Background



This preview shows how black text looks on a background with the Yxy color 80.1906, 0.2894, 0.4273.

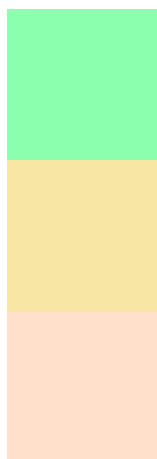


This preview shows how white text looks on a background with the Yxy color 80.1906, 0.2894, 0.4273.

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

80.1906, 0.2894, 0.4273

Protanopia

79.2304, 0.3695, 0.3972

Deuteranopia

78.8356, 0.3502, 0.3514



Tritanopia

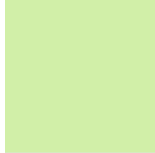
79.4853, 0.2693, 0.3125

Trichromacy



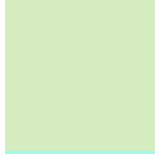
Original Color

80.1906, 0.2894, 0.4273



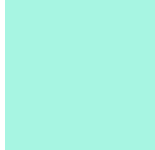
Protanomaly

78.1155, 0.3361, 0.4088



Deuteranomaly

77.3686, 0.3247, 0.3768



Tritanomaly

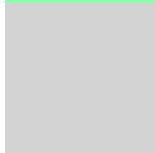
79.0113, 0.2767, 0.3508

Monochromacy



Original Color

80.1906, 0.2894, 0.4273



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3297, 0.3023, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1906, 0.2894, 0.4273 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(140, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(140, 255, 175)  
}
```

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(140, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 255, 175) }
```

Border

The CSS property to change the border of an element to Yxy 80.1906, 0.2894, 0.4273 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(140, 255, 175) }
```

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

```
.border{ border-color:rgb(140, 255, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(140, 255,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1906, 0.2894, 0.4273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 255, 175) }
```

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

```
.background{ background-color: rgb(140,  
255, 175) }
```

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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