

Converting Colors

$Yxy(79.4178, 0.2880, 0.4338)$

Have a look what the booklet for
Yxy(79.4178, 0.2880, 0.4338)
contains.

| | |
|--|----|
| Yxy(79.4468, 0.2879, 0.4334) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(79.4468, 0.2879, 0.4334)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 85FFAB |
| RGB | 133, 255, 171 |
| RGB Percent | 52%, 100%, 67% |
| CMY | 0.4787, 0.0000, 0.3293 |
| CMYK | 0.48, 0.00, 0.33, 0.00 |
| HSL | 139°, 100%, 76% |
| HSV | 139°, 48%, 100% |
| XYZ | 52.7751, 79.4468, 51.0887 |
| YIQ | 208.9460, -45.7480, -51.9880 |

Conversions

Conversions Part 2

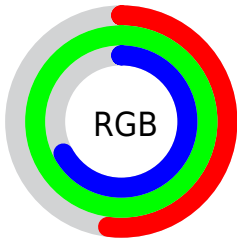
| Format | Color |
|-------------------------------------|--|
| RYB | 133, 226, 255 |
| Decimal | 8781739 |
| CIELab | 91.44, -52.13, 29.82 |
| CIELCh | 91, 60.054, 150.225 |
| Yxy | 79.4468, 0.2879, 0.4334 |
| Android (android.graphics.Color) | 4286971819 (0xFF85FFAB) |
| YUV | 208.9460, -18.7074, -66.6046 |
| Hunter-Lab | 89.1329, -50.2938, 28.4096 |

Details

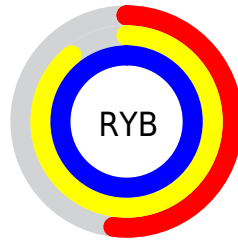
The Yxy color **79.4468, 0.2879, 0.4334** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **43.0180, 0.3535, 0.2448**, and the grayscale version is **63.8544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2725, 0.2906, 0.3594**, and **42.6570, 0.2805, 0.4604** is the 20% darker color. If you saturate the color by 10%, you get **76.9876, 0.2848, 0.4601**, and if you desaturate by 10%, it is **82.4868, 0.2921, 0.4078**.

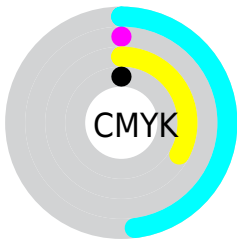
Distribution



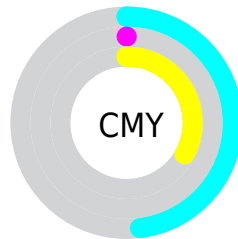
- Red (52%)
- Green (100%)
- Blue (67%)



- Red (52%)
- Yellow (89%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (48%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.4468, 0.2879, 0.4334 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 79.4468, 0.2879, 0.4334 by changing the saturation by 10% instead.


 79.4468, 0.2879,
0.4334


 79.4468, 0.2879,
0.4334

493.0666, 0.3009,
0.3827


 59.2632, 0.2846,
0.4455

 132.5877, 0.2927,
0.4153

 42.8251, 0.2802,
0.4608


 166.3138, 0.2945,
0.4084

 29.7479, 0.2744,
0.4805


 205.3229, 0.2960,
0.4026

 19.6473, 0.2663,
0.5069

249.9993, 0.2973,
0.3975

 12.1389, 0.2543,
0.5437

300.7275, 0.2984,
0.3931

 6.8384, 0.2351,
0.5979


357.8918, 0.2993,


 3.3612, 0.2043,


0.3892


0.6929

421.8767, 0.3001,
0.3857


 1.3231, 0.0000,
1.0000

 0.1590, 0.0000,
1.0000


 79.4468, 0.2879,
0.4334


 79.4468, 0.2879,
0.4334


 76.9876, 0.2848,
0.4601

 82.4868, 0.2921,
0.4078


 75.0859, 0.2832,
0.4869

 86.1617, 0.2971,
0.3840

 73.6902, 0.2832,
0.5127

 90.4993, 0.3025,
0.3622

 72.7467, 0.2850,
0.5361

 95.5307, 0.3082,
0.3428

■ 72.1842, 0.2882,
0.5562

100.0000, 0.3127,
0.3290

■ 72.0929, 0.2889,
0.5600

Harmonies

Analogous

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



79.4468, 0.3557, 0.4582



79.4468, 0.2879, 0.4334



79.4468, 0.2304, 0.3677

Triad

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



79.4468, 0.2879, 0.4334



79.4468, 0.2125, 0.2232



79.4468, 0.4438, 0.3395

Complementary

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



79.4468, 0.2879, 0.4334



43.0180, 0.3535, 0.2448

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.



79.4468, 0.3966, 0.2894



79.4468, 0.2879, 0.4334



79.4468, 0.2592, 0.2256

Square

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



79.4468, 0.2879, 0.4334



79.4468, 0.1913, 0.2457



79.4468, 0.3262, 0.2492



79.4468, 0.4494, 0.3921

Rectangle

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



79.4468, 0.2879, 0.4334



79.4468, 0.2050, 0.3183



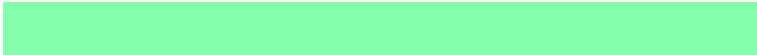
79.4468, 0.3262, 0.2492



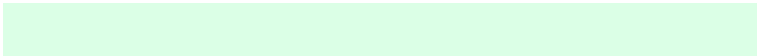
79.4468, 0.4322, 0.3222

Sweetspot

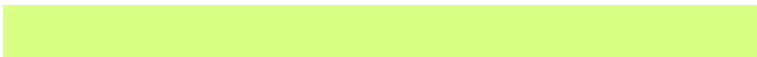
The Sweet Spot groups the original color and five complimentary colors.



79.4410, 0.2879, 0.4334



92.3646, 0.3047, 0.3544



88.1747, 0.3581, 0.4575



19.5447, 0.3035, 0.3587



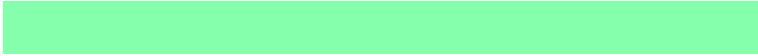
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.4410, 0.2879, 0.4334



77.1794, 0.2850, 0.4577



82.2461, 0.2599, 0.3575



20.2615, 0.3073, 0.3458



37.6936, 0.2881, 0.5571



3.6888, 0.2818, 0.5346

Inverse Universe

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



43.0180, 0.3535, 0.2448



36.9718, 0.3645, 0.2309



40.4591, 0.4187, 0.3039



18.1982, 0.3186, 0.3128



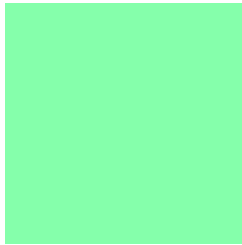
12.7629, 0.4195, 0.2084



1.2624, 0.4054, 0.2007

Previews

White Background



This preview shows how the Yxy color 79.4468, 0.2879, 0.4334 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 79.4468, 0.2879, 0.4334 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

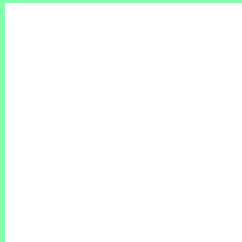
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.4468, 0.2879, 0.4334

Background



This preview shows how black text looks on a background with the Yxy color 79.4468, 0.2879, 0.4334.

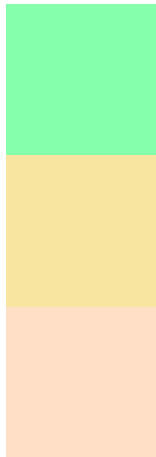


This preview shows how white text looks on a background with the Yxy color 79.4468, 0.2879, 0.4334.

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

79.4468, 0.2879, 0.4334

Protanopia

78.3508, 0.3718, 0.4005

Deuteranopia

78.1126, 0.3532, 0.3545



Tritanopia

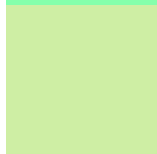
78.8873, 0.2667, 0.3124

Trichromacy



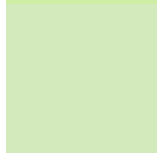
Original Color

79.4468, 0.2879, 0.4334



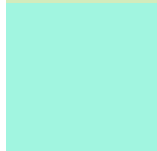
Protanomaly

76.9512, 0.3366, 0.4129



Deuteranomaly

76.8964, 0.3258, 0.3816



Tritanomaly

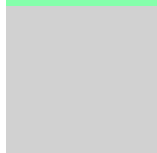
78.2637, 0.2745, 0.3533

Monochromacy



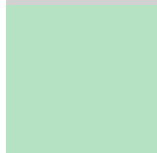
Original Color

79.4468, 0.2879, 0.4334



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.1566, 0.3015, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.4468, 0.2879, 0.4334 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(133, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 171)  
}
```

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(133, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 171) }
```

Border

The CSS property to change the border of an element to Yxy 79.4468, 0.2879, 0.4334 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(133, 255, 171) }
```

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

```
.border{ border-color:rgb(133, 255, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 255, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(133, 255,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 79.4468, 0.2879, 0.4334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 171) }
```

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

```
.background{ background-color: rgb(133,  
255, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor