

Converting Colors

$Yxy(79.3788, 0.2921, 0.4415)$

Have a look what the booklet for
Yxy(79.3788, 0.2921, 0.4415)
contains.

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Color

Yxy(79.3512, 0.2923, 0.4421)

Conversions

Conversions Part 1

Format	Color
Hex	87FFA4
RGB	135, 255, 164
RGB Percent	53%, 100%, 64%
CMY	0.4702, 0.0000, 0.3569
CMYK	0.47, 0.00, 0.36, 0.00
HSL	134°, 100%, 76%
HSV	134°, 47%, 100%
XYZ	52.4640, 79.3512, 47.6717
YIQ	208.7460, -42.3090, -53.7410

Conversions

Conversions Part 2

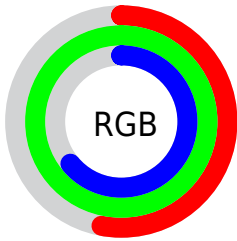
Format	Color
RYB	135, 232, 255
Decimal	8912804
CIELab	91.39, -52.75, 33.29
CIELCh	91, 62.377, 147.741
Yxy	79.3512, 0.2923, 0.4421
Android (android.graphics.Color)	4287102884 (0xFF87FFA4)
YUV	208.7460, -22.0598, -64.6752
Hunter-Lab	89.0793, -50.7596, 30.6258

Details

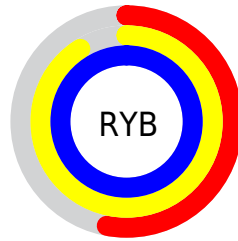
The Yxy color **79.3512, 0.2923, 0.4421** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.1105, 0.3442, 0.2385**, and the grayscale version is **63.7702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1566, 0.2954, 0.3672**, and **42.5761, 0.2853, 0.4719** is the 20% darker color. If you saturate the color by 10%, you get **76.8379, 0.2896, 0.4713**, and if you desaturate by 10%, it is **82.4841, 0.2959, 0.4140**.

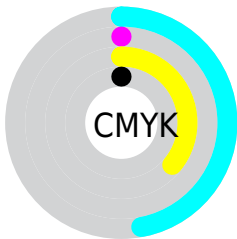
Distribution



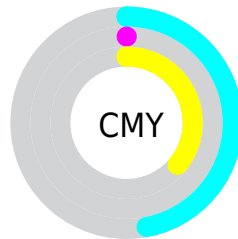
- Red (53%)
- Green (100%)
- Blue (64%)



- Red (53%)
- Yellow (91%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.3512, 0.2923, 0.4421 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 79.3512, 0.2923, 0.4421 by changing the saturation by 10% instead.


 79.3512, 0.2923,
0.4421


 79.3512, 0.2923,
0.4421


492.7436, 0.3036,
0.3870

 59.1846, 0.2892,
0.4553

 132.4532, 0.2966,
0.4225

 42.7617, 0.2852,
0.4719


 166.1573, 0.2981,
0.4150

 29.6982, 0.2797,
0.4932


205.1428, 0.2994,
0.4086

 19.6096, 0.2719,
0.5218

249.7940, 0.3005,
0.4031

 12.1116, 0.2599,
0.5615

300.4953, 0.3015,
0.3983

 6.8197, 0.2403,
0.6194


357.6310, 0.3023,


 3.3496, 0.2121,


0.3941


0.7330

421.5857, 0.3030,
0.3903


 1.3169, 0.0000,
1.0000

 0.1542, 0.0000,
1.0000


 79.3512, 0.2923,
0.4421


 79.3512, 0.2923,
0.4421

 76.8379, 0.2896,
0.4713


 82.4841, 0.2959,
0.4140


 74.8927, 0.2882,
0.5002

 86.2642, 0.3001,
0.3877

 73.4721, 0.2881,
0.5275

 90.7293, 0.3047,
0.3638

 72.5214, 0.2896,
0.5514

 95.9116, 0.3094,
0.3425

■ 71.9721, 0.2923,
0.5706

99.9950, 0.3127,
0.3290

■ 71.8569, 0.2932,
0.5754

Harmonies

Analogous

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



79.3512, 0.3625, 0.4632



79.3512, 0.2923, 0.4421



79.3512, 0.2314, 0.3757

Triad

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



79.3512, 0.2923, 0.4421



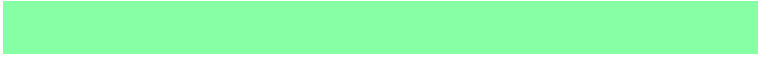
79.3512, 0.2062, 0.2205



79.3512, 0.4464, 0.3350

Complementary

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



79.3512, 0.2923, 0.4421



44.1105, 0.3442, 0.2385

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.



79.3512, 0.3943, 0.2840



79.3512, 0.2923, 0.4421



79.3512, 0.2522, 0.2211

Square

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



79.3512, 0.2923, 0.4421



79.3512, 0.1867, 0.2457



79.3512, 0.3203, 0.2438



79.3512, 0.4557, 0.3893

Rectangle

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



79.3512, 0.2923, 0.4421



79.3512, 0.2038, 0.3237



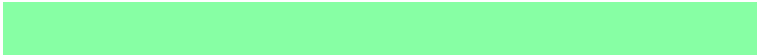
79.3512, 0.3203, 0.2438



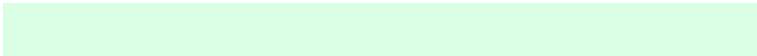
79.3512, 0.4332, 0.3172

Sweetspot

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



79.3545, 0.2923, 0.4421



92.2228, 0.3061, 0.3571



89.6008, 0.3629, 0.4528



19.5105, 0.3051, 0.3619



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.



79.3545, 0.2923, 0.4421



77.0726, 0.2898, 0.4683



82.0030, 0.2642, 0.3667



20.2399, 0.3082, 0.3475



37.5688, 0.2925, 0.5728



3.6742, 0.2867, 0.5519

Inverse Universe

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



44.1105, 0.3442, 0.2385



38.0905, 0.3523, 0.2235



41.4071, 0.4067, 0.2960



18.2211, 0.3175, 0.3111



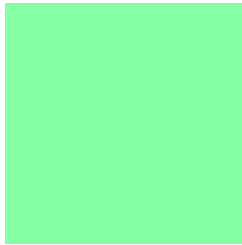
13.1578, 0.3933, 0.1940



1.2982, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 79.3512, 0.2923, 0.4421 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 79.3512, 0.2923, 0.4421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

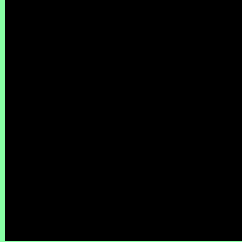
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

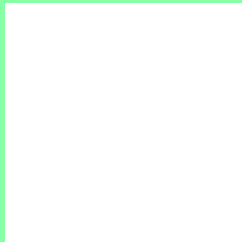
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.3512, 0.2923, 0.4421

Background



This preview shows how black text looks on a background with the Yxy color 79.3512, 0.2923, 0.4421.

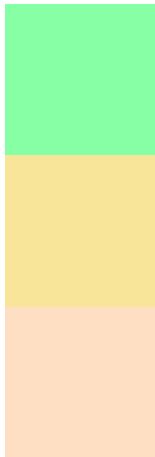


This preview shows how white text looks on a background with the Yxy color 79.3512, 0.2923, 0.4421.

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

79.3512, 0.2923, 0.4421

Protanopia

78.2950, 0.3771, 0.4074

Deuteranopia

78.0209, 0.3546, 0.3566



Tritanopia

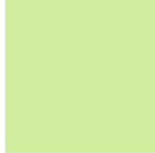
79.0052, 0.2672, 0.3124

Trichromacy



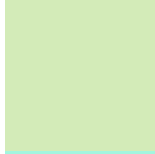
Original Color

79.3512, 0.2923, 0.4421



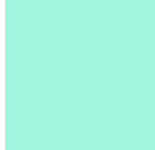
Protanomaly

76.8488, 0.3415, 0.4207



Deuteranomaly

76.7262, 0.3283, 0.3862



Tritanomaly

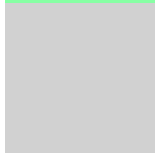
78.2601, 0.2761, 0.3557

Monochromacy



Original Color

79.3512, 0.2923, 0.4421



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.1881, 0.3034, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.3512, 0.2923, 0.4421 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(135, 255, 164)` looks like.

```
.text, #text, p{  
  color:rgb(135, 255, 164)  
}
```

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(135, 255, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 164) }
```

Border

The CSS property to change the border of an element to Yxy 79.3512, 0.2923, 0.4421 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(135, 255, 164) }
```

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

```
.border{ border-color:rgb(135, 255, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 255, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 164);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 79.3512, 0.2923, 0.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 164) }
```

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

```
.background{ background-color: rgb(135,  
255, 164) }
```

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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