

Converting Colors

$Yxy(78.8737, 0.2870, 0.4387)$

Have a look what the booklet for
Yxy(78.8737, 0.2870, 0.4387)
contains.

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Color

Yxy(78.8592, 0.2866, 0.4381)

Conversions

Conversions Part 1

Format	Color
Hex	7FFFA8
RGB	127, 255, 168
RGB Percent	50%, 100%, 66%
CMY	0.5017, 0.0000, 0.3411
CMYK	0.50, 0.00, 0.34, 0.00
HSL	139°, 100%, 75%
HSV	139°, 50%, 100%
XYZ	51.5888, 78.8592, 49.5548
YIQ	206.8100, -48.3610, -54.1930

Conversions

Conversions Part 2

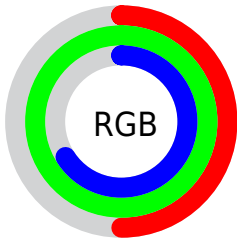
Format	Color
RYB	127, 224, 255
Decimal	8388520
CIELab	91.17, -54.08, 30.94
CIElCh	91, 62.307, 150.231
Yxy	78.8592, 0.2866, 0.4381
Android (android.graphics.Color)	4286578600 (0xFF7FFFA8)
YUV	206.8100, -19.1333, -69.9934
Hunter-Lab	88.8027, -51.7075, 29.0762

Details

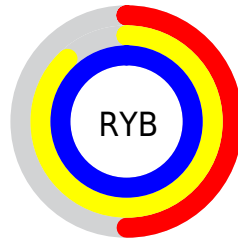
The Yxy color **78.8592, 0.2866, 0.4381** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **41.3135, 0.3572, 0.2420**, and the grayscale version is **62.4301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3409, 0.2888, 0.3631**, and **42.2941, 0.2786, 0.4669** is the 20% darker color. If you saturate the color by 10%, you get **76.5410, 0.2838, 0.4646**, and if you desaturate by 10%, it is **81.7655, 0.2906, 0.4125**.

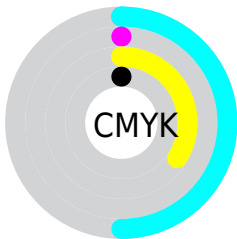
Distribution



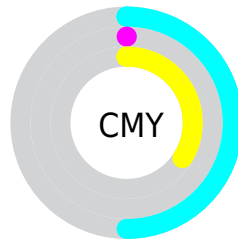
- Red (50%)
- Green (100%)
- Blue (66%)



- Red (50%)
- Yellow (88%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8592, 0.2866, 0.4381 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 78.8592, 0.2866, 0.4381 by changing the saturation by 10% instead.

 78.8592, 0.2866,
0.4381


 78.8592, 0.2866,
0.4381


491.0799, 0.3003,
0.3849


 58.7801, 0.2830,
0.4509


 131.7606, 0.2917,
0.4191

 42.4361, 0.2784,
0.4669


 165.3517, 0.2936,
0.4119

 29.4429, 0.2722,
0.4877


 204.2155, 0.2952,
0.4057

 19.4161, 0.2635,
0.5155

248.7365, 0.2965,
0.4004

 11.9713, 0.2506,
0.5544

299.2990, 0.2977,
0.3958

 6.7242, 0.2299,
0.6117

356.2875, 0.2987,

 3.2902, 0.1981,

0.3917

0.7171

420.0863, 0.2996,
0.3881

■ 1.2851, 0.0000,
1.0000

■ 0.1296, 0.0000,
1.0000

■ 78.8592, 0.2866,
0.4381

■ 78.8592, 0.2866,
0.4381

■ 76.5410, 0.2838,
0.4646

■ 81.7655, 0.2906,
0.4125

■ 74.7596, 0.2825,
0.4911


■ 85.2875, 0.2955,
0.3885

■ 73.4710, 0.2829,
0.5163

■ 89.4626, 0.3010,
0.3666

■ 72.6194, 0.2850,
0.5390

■ 94.3224, 0.3068,
0.3468

 72.1207, 0.2883,
0.5580

99.8964, 0.3126,
0.3293

99.9973, 0.3127,
0.3290

Harmonies

Analogous

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



78.8592, 0.3568, 0.4636



78.8592, 0.2866, 0.4381



78.8592, 0.2272, 0.3692

Triad

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



78.8592, 0.2866, 0.4381



78.8592, 0.2090, 0.2195



78.8592, 0.4491, 0.3394

Complementary

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



78.8592, 0.2866, 0.4381



41.3135, 0.3572, 0.2420

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.



78.8592, 0.3999, 0.2879



78.8592, 0.2866, 0.4381



78.8592, 0.2571, 0.2221

Square

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



78.8592, 0.2866, 0.4381



78.8592, 0.1872, 0.2425



78.8592, 0.3266, 0.2465



78.8592, 0.4546, 0.3937

Rectangle

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



78.8592, 0.2866, 0.4381



78.8592, 0.2011, 0.3175



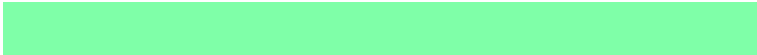
78.8592, 0.3266, 0.2465



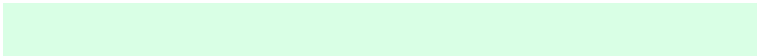
78.8592, 0.4370, 0.3216

Sweetspot

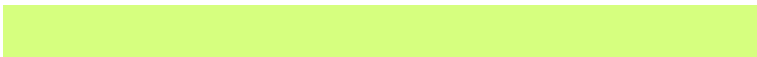
The Sweet Spot groups the original color and five complimentary colors.



78.8624, 0.2866, 0.4381



91.8902, 0.3040, 0.3561



87.4208, 0.3583, 0.4642



19.4518, 0.3028, 0.3603



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.



78.8624, 0.2866, 0.4381



76.5782, 0.2838, 0.4642



81.8349, 0.2571, 0.3565



20.2640, 0.3072, 0.3456



37.7100, 0.2875, 0.5551



3.6906, 0.2813, 0.5325

Inverse Universe

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



41.3135, 0.3572, 0.2420



35.2203, 0.3697, 0.2279



38.6748, 0.4291, 0.3052



18.1956, 0.3187, 0.3130



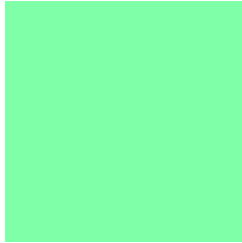
12.7215, 0.4225, 0.2101



1.2586, 0.4080, 0.2021

Previews

White Background



This preview shows how the Yxy color 78.8592, 0.2866, 0.4381 looks on a white background.

Color Contrast Check

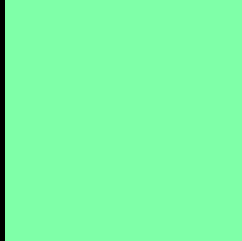
Large Text (above 18pt) WCAG AA × Fail

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 78.8592, 0.2866, 0.4381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

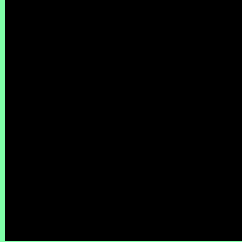
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8592, 0.2866, 0.4381

Background



This preview shows how black text looks on a background with the Yxy color 78.8592, 0.2866, 0.4381.

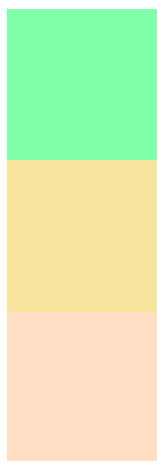


This preview shows how white text looks on a background with the Yxy color 78.8592, 0.2866, 0.4381.

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

78.8592, 0.2866, 0.4381

Protanopia

77.6953, 0.3741, 0.4026

Deuteranopia

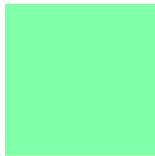
77.4881, 0.3548, 0.3556



Tritanopia

78.4244, 0.2646, 0.3123

Trichromacy



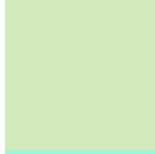
Original Color

78.8592, 0.2866, 0.4381



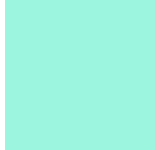
Protanomaly

76.4188, 0.3363, 0.4170



Deuteranomaly

75.8007, 0.3251, 0.3832



Tritanomaly

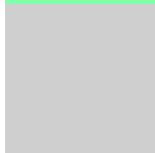
77.7004, 0.2725, 0.3547

Monochromacy



Original Color

78.8592, 0.2866, 0.4381



Achromatopsia

62.3960, 0.3127, 0.3290



Achromatomaly

66.6265, 0.3007, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8592, 0.2866, 0.4381 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(127, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(127, 255, 168)  
}
```

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(127, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 78.8592, 0.2866, 0.4381 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(127, 255, 168) }
```

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

```
.border{ border-color:rgb(127, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(127, 255,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8592, 0.2866, 0.4381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 255, 168) }
```

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

```
.background{ background-color: rgb(127,  
255, 168) }
```

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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