

Converting Colors

$Yxy(89.2172, 0.2989, 0.4532)$

Have a look what the booklet for
Yxy(89.2172, 0.2989, 0.4532)
contains.

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Color

Yxy(80.3674, 0.2988, 0.4414)

Conversions

Conversions Part 1

Format	Color
Hex	93FFA3
RGB	147, 255, 163
RGB Percent	58%, 100%, 64%
CMY	0.4236, 0.0000, 0.3607
CMYK	0.42, 0.00, 0.36, 0.00
HSL	129°, 100%, 79%
HSV	129°, 42%, 100%
XYZ	54.4037, 80.3674, 47.3028
YIQ	212.2200, -34.8360, -51.5080

Conversions

Conversions Part 2

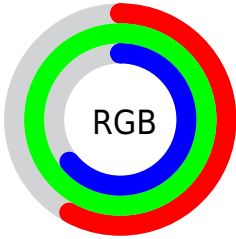
Format	Color
RYB	147, 241, 255
Decimal	9699235
CIELab	91.85, -49.72, 34.47
CIELCh	92, 60.504, 145.266
Yxy	80.3674, 0.2988, 0.4414
Android (android.graphics.Color)	4287889315 (0xFF93FFA3)
YUV	212.2200, -24.2655, -57.1979
Hunter-Lab	89.6479, -48.5593, 31.4691

Details

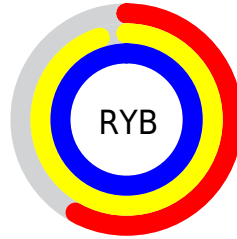
The Yxy color **80.3674, 0.2988, 0.4414** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.3562, 0.3312, 0.2382**, and the grayscale version is **66.1738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6136, 0.3024, 0.3676**, and **43.6378, 0.2932, 0.4717** is the 20% darker color. If you saturate the color by 10%, you get **77.5528, 0.2963, 0.4734**, and if you desaturate by 10%, it is **83.8383, 0.3018, 0.4107**.

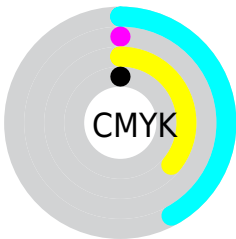
Distribution



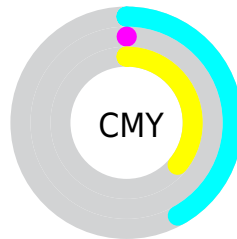
- Red (58%)
- Green (100%)
- Blue (64%)



- Red (58%)
- Yellow (95%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)



- Cyan (42%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3674, 0.2988, 0.4414 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 80.3674, 0.2988, 0.4414 by changing the saturation by 10% instead.


 80.3674, 0.2988,
0.4414


 80.3674, 0.2988,
0.4414


496.1701, 0.3071,
0.3869

 60.0207, 0.2964,
0.4544


 133.8822, 0.3021,
0.4220

 43.4353, 0.2932,
0.4706


 167.8190, 0.3032,
0.4146

 30.2268, 0.2888,
0.4916


207.0548, 0.3042,
0.4083

 20.0108, 0.2822,
0.5194

251.9738, 0.3049,
0.4029

 12.4029, 0.2720,
0.5578

302.9604, 0.3056,
0.3981

 7.0187, 0.2548,
0.6134


360.3991, 0.3062,


 3.4738, 0.2308,

0.3939


0.7227


424.6742, 0.3067,
0.3902


 1.3838, 0.0233,
0.9767


 0.2047, 0.0000,
1.0000


 80.3674, 0.2988,
0.4414


 80.3674, 0.2988,
0.4414


 77.5528, 0.2963,
0.4734


 83.8383, 0.3018,
0.4107


 75.3525, 0.2946,
0.5052

 88.0032, 0.3051,
0.3823

 73.7199, 0.2939,
0.5348

 92.8974, 0.3085,
0.3566

 72.6017, 0.2943,
0.5601

 98.5536, 0.3119,
0.3339

■ 71.9339, 0.2957,
0.5795

100.0000, 0.3127,
0.3290

■ 71.6589, 0.2971,
0.5897

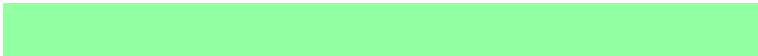
Harmonies

Analogous

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



80.3674, 0.3667, 0.4580



80.3674, 0.2988, 0.4414



80.3674, 0.2382, 0.3802

Triad

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



80.3674, 0.2988, 0.4414



80.3674, 0.2068, 0.2248



80.3674, 0.4391, 0.3309

Complementary

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



80.3674, 0.2988, 0.4414



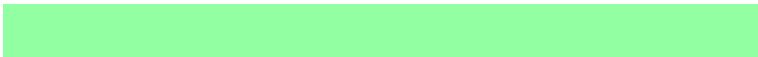
48.3562, 0.3312, 0.2382

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.



80.3674, 0.3861, 0.2817



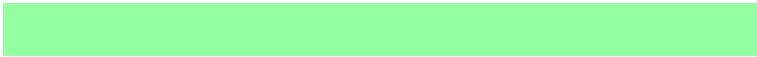
80.3674, 0.2988, 0.4414



80.3674, 0.2496, 0.2233

Square

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



80.3674, 0.2988, 0.4414



80.3674, 0.1900, 0.2518



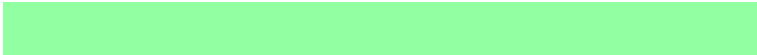
80.3674, 0.3142, 0.2437



80.3674, 0.4520, 0.3837

Rectangle

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



80.3674, 0.2988, 0.4414



80.3674, 0.2098, 0.3302



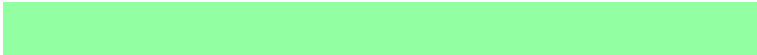
80.3674, 0.3142, 0.2437



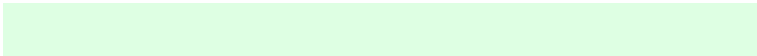
80.3674, 0.4252, 0.3137

Sweetspot

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



80.3675, 0.2988, 0.4414



92.5592, 0.3083, 0.3582



92.2567, 0.3661, 0.4377



19.5688, 0.3076, 0.3636



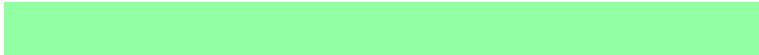
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

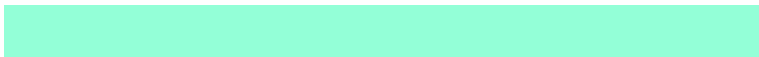
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3675, 0.2988, 0.4414



77.8973, 0.2966, 0.4690



82.6493, 0.2731, 0.3755



20.2121, 0.3095, 0.3499



37.4564, 0.2966, 0.5879



3.6594, 0.2919, 0.5709

Inverse Universe

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



48.3562, 0.3312, 0.2382



41.9536, 0.3360, 0.2214



45.6963, 0.3818, 0.2879



18.2513, 0.3161, 0.3090



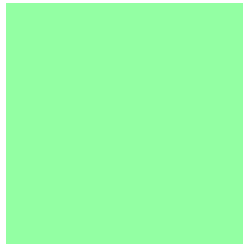
13.7487, 0.3625, 0.1770



1.3507, 0.3570, 0.1740

Previews

White Background



This preview shows how the Yxy color 80.3674, 0.2988, 0.4414 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 80.3674, 0.2988, 0.4414 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 80.3674, 0.2988, 0.4414

Background



This preview shows how black text looks on a background with the Yxy color 80.3674, 0.2988, 0.4414.

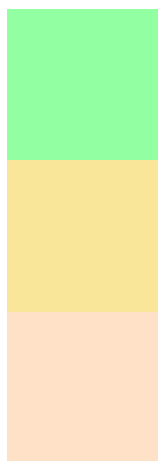


This preview shows how white text looks on a background with the Yxy color 80.3674, 0.2988, 0.4414.

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

80.3674, 0.2988, 0.4414

Protanopia

79.2175, 0.3782, 0.4078

Deuteranopia

79.2339, 0.3521, 0.3555



Tritanopia

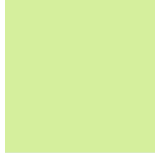
79.9793, 0.2715, 0.3126

Trichromacy



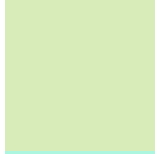
Original Color

80.3674, 0.2988, 0.4414



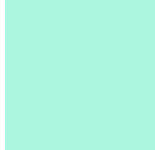
Protanomaly

78.3135, 0.3456, 0.4203



Deuteranomaly

78.1350, 0.3304, 0.3843



Tritanomaly

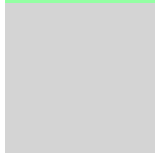
79.3494, 0.2814, 0.3553

Monochromacy



Original Color

80.3674, 0.2988, 0.4414



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.0732, 0.3068, 0.3692

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3674, 0.2988, 0.4414 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(147, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 163)  
}
```

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(147, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 163) }
```

Border

The CSS property to change the border of an element to Yxy 80.3674, 0.2988, 0.4414 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(147, 255, 163) }
```

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

```
.border{ border-color:rgb(147, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(147, 255,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3674, 0.2988, 0.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 255, 163) }
```

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

```
.background{ background-color: rgb(147,  
255, 163) }
```

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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