

Converting Colors

$Y_{xy}(100.0000, 0.3000, 0.4686)$

Have a look what the booklet for
Yxy(100.0000, 0.3000, 0.4686)
contains.

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Color

Yxy(80.2611, 0.3003, 0.4452)

Conversions

Conversions Part 1

Format	Color
Hex	93FFA0
RGB	147, 255, 160
RGB Percent	58%, 100%, 63%
CMY	0.4234, 0.0000, 0.3727
CMYK	0.42, 0.00, 0.37, 0.00
HSL	127°, 100%, 79%
HSV	127°, 42%, 100%
XYZ	54.1384, 80.2611, 45.8815
YIQ	211.8780, -33.8730, -52.4410

Conversions

Conversions Part 2

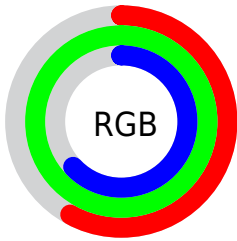
Format	Color
RYB	147, 243, 255
Decimal	9699232
CIELab	91.80, -50.19, 35.92
CIElCh	92, 61.725, 144.409
Yxy	80.2611, 0.3003, 0.4452
Android (android.graphics.Color)	4287889312 (0xFF93FFA0)
YUV	211.8780, -25.5759, -56.8980
Hunter-Lab	89.5886, -48.9124, 32.3475

Details

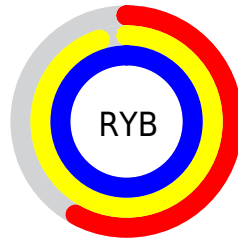
The Yxy color **80.2611, 0.3003, 0.4452** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.5485, 0.3285, 0.2355**, and the grayscale version is **65.9449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4054, 0.3046, 0.3721**, and **43.5736, 0.2949, 0.4765** is the 20% darker color. If you saturate the color by 10%, you get **77.4442, 0.2980, 0.4781**, and if you desaturate by 10%, it is **83.7444, 0.3030, 0.4135**.

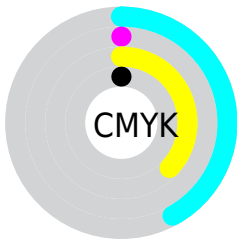
Distribution



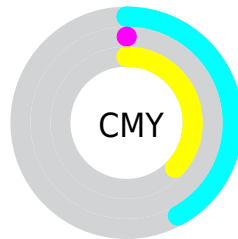
- Red (58%)
- Green (100%)
- Blue (63%)



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



- Cyan (42%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2611, 0.3003, 0.4452 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 80.2611, 0.3003, 0.4452 by changing the saturation by 10% instead.


 80.2611, 0.3003,
0.4452

 80.2611, 0.3003,
0.4452


495.8123, 0.3080,
0.3888

 59.9332, 0.2980,
0.4586


 133.7328, 0.3034,
0.4252

 43.3648, 0.2949,
0.4754


 167.6454, 0.3045,
0.4175

 30.1715, 0.2905,
0.4971


206.8550, 0.3054,
0.4110

 19.9688, 0.2839,
0.5258

251.7460, 0.3061,
0.4053

 12.3723, 0.2736,
0.5654

302.7029, 0.3067,
0.4004

 6.9978, 0.2560,
0.6224


360.1100, 0.3072,


 3.4607, 0.2335,


0.3961


0.7415


424.3516, 0.3077,
0.3922

 1.3767, 0.0118,
0.9882


 0.1995, 0.0000,
1.0000


 80.2611, 0.3003,
0.4452


 80.2611, 0.3003,
0.4452


 77.4442, 0.2980,
0.4781


 83.7444, 0.3030,
0.4135

 75.2478, 0.2964,
0.5105

 87.9296, 0.3060,
0.3841

 73.6256, 0.2956,
0.5403

 92.8536, 0.3091,
0.3576

 72.5232, 0.2958,
0.5652

 98.5497, 0.3120,
0.3341

■ 71.8752, 0.2969,
0.5836

100.0000, 0.3127,
0.3290

■ 71.6167, 0.2980,
0.5928

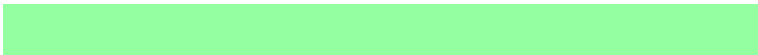
Harmonies

Analogous

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



80.2611, 0.3694, 0.4604



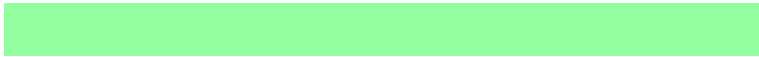
80.2611, 0.3003, 0.4452



80.2611, 0.2382, 0.3835

Triad

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



80.2611, 0.3003, 0.4452



80.2611, 0.2041, 0.2233



80.2611, 0.4407, 0.3292

Complementary

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



80.2611, 0.3003, 0.4452



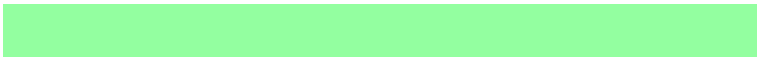
48.5485, 0.3285, 0.2355

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.



80.2611, 0.3856, 0.2795



80.2611, 0.3003, 0.4452



80.2611, 0.2468, 0.2212

Square

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



80.2611, 0.3003, 0.4452



80.2611, 0.1877, 0.2514



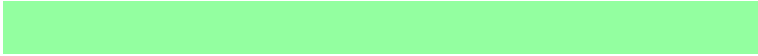
80.2611, 0.3121, 0.2414



80.2611, 0.4550, 0.3829

Rectangle

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



80.2611, 0.3003, 0.4452



80.2611, 0.2089, 0.3322



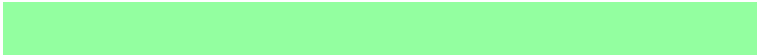
80.2611, 0.3121, 0.2414



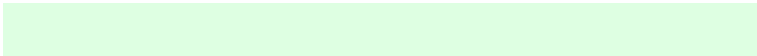
80.2611, 0.4261, 0.3118

Sweetspot

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



80.2622, 0.3003, 0.4452



92.5073, 0.3089, 0.3592



92.5759, 0.3674, 0.4372



19.5562, 0.3082, 0.3648



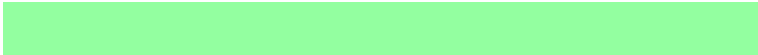
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

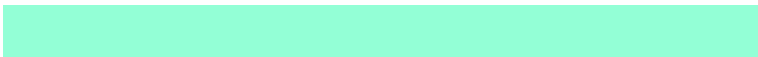
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.2622, 0.3003, 0.4452



77.7858, 0.2983, 0.4737



82.5602, 0.2740, 0.3777



20.2036, 0.3099, 0.3506



37.4323, 0.2976, 0.5912



3.6554, 0.2934, 0.5762

Inverse Universe

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



48.5485, 0.3285, 0.2355



42.1706, 0.3325, 0.2184



45.7832, 0.3799, 0.2861



18.2607, 0.3156, 0.3083



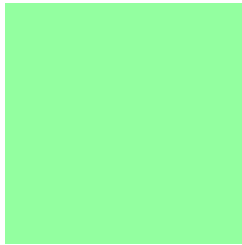
13.9478, 0.3538, 0.1722



1.3682, 0.3495, 0.1699

Previews

White Background



This preview shows how the Yxy color 80.2611, 0.3003, 0.4452 looks on a white background.

Color Contrast Check

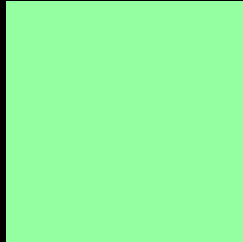
Large Text (above 18pt) WCAG AA × Fail

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 80.2611, 0.3003, 0.4452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

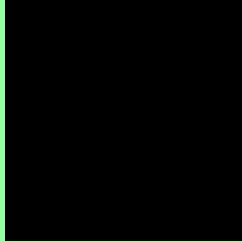
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

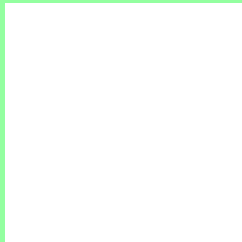
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.2611, 0.3003, 0.4452

Background



This preview shows how black text looks on a background with the Yxy color 80.2611, 0.3003, 0.4452.

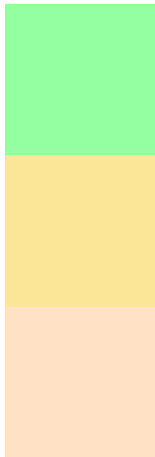


This preview shows how white text looks on a background with the Yxy color 80.2611, 0.3003, 0.4452.

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

80.2611, 0.3003, 0.4452

Protanopia

79.1196, 0.3802, 0.4108

Deuteranopia

79.1876, 0.3528, 0.3565



Tritanopia

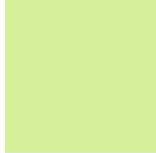
79.8545, 0.2710, 0.3126

Trichromacy



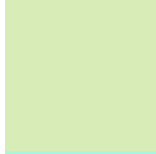
Original Color

80.2611, 0.3003, 0.4452



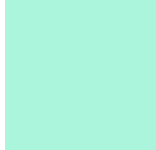
Protanomaly

78.2122, 0.3474, 0.4236



Deuteranomaly

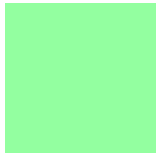
78.0505, 0.3317, 0.3866



Tritanomaly

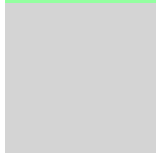
79.1300, 0.2820, 0.3577

Monochromacy



Original Color

80.2611, 0.3003, 0.4452



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.0284, 0.3074, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2611, 0.3003, 0.4452 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 160) }
```

Border

The CSS property to change the border of an element to Yxy 80.2611, 0.3003, 0.4452 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, 160) }
```

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

```
.border{ border-color:rgb(147, 255, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(147, 255,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2611, 0.3003, 0.4452 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, 160) }
```

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

```
.background{ background-color: rgb(147,  
255, 160) }
```

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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