

Converting Colors

$Yxy(80.4924, 0.3025, 0.4462)$

Have a look what the booklet for
Yxy(80.4924, 0.3025, 0.4462)
contains.

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Color

Yxy(80.5072, 0.3024, 0.4459)

Conversions

Conversions Part 1

Format	Color
Hex	96FF9F
RGB	150, 255, 159
RGB Percent	59%, 100%, 62%
CMY	0.4116, 0.0000, 0.3766
CMYK	0.41, 0.00, 0.38, 0.00
HSL	125°, 100%, 79%
HSV	125°, 41%, 100%
XYZ	54.5983, 80.5072, 45.4444
YIQ	212.6610, -31.7640, -52.1160

Conversions

Conversions Part 2

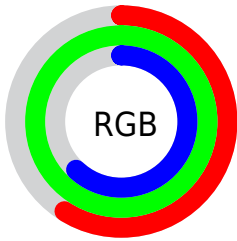
Format	Color
RYB	150, 247, 255
Decimal	9895839
CIELab	91.91, -49.50, 36.59
CIELCh	92, 61.555, 143.527
Yxy	80.5072, 0.3024, 0.4459
Android (android.graphics.Color)	4288085919 (0xFF96FF9F)
YUV	212.6610, -26.4549, -54.9537
Hunter-Lab	89.7258, -48.4026, 32.7788

Details

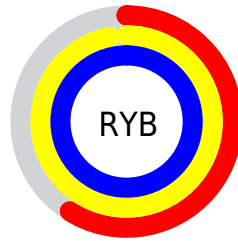
The Yxy color **80.5072, 0.3024, 0.4459** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.7444, 0.3249, 0.2349**, and the grayscale version is **66.5023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7849, 0.3070, 0.3729**, and **43.7559, 0.2978, 0.4771** is the 20% darker color. If you saturate the color by 10%, you get **77.6126, 0.3003, 0.4798**, and if you desaturate by 10%, it is **84.0863, 0.3048, 0.4132**.

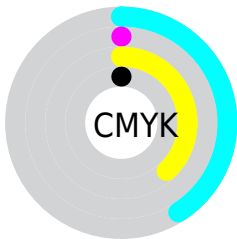
Distribution



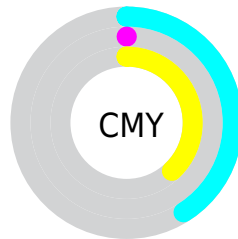
- Red (59%)
- Green (100%)
- Blue (62%)



- Red (59%)
- Yellow (97%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (41%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5072, 0.3024, 0.4459 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 80.5072, 0.3024, 0.4459 by changing the saturation by 10% instead.


 80.5072, 0.3024,
0.4459

 80.5072, 0.3024,
0.4459

496.6405, 0.3092,
0.3892

 60.1358, 0.3003,
0.4594

 134.0786, 0.3052,
0.4258

 43.5281, 0.2974,
0.4762


 168.0474, 0.3062,
0.4181

 30.2997, 0.2933,
0.4979


207.3175, 0.3069,
0.4115

 20.0662, 0.2871,
0.5266

252.2732, 0.3076,
0.4058

 12.4432, 0.2772,
0.5661

303.2989, 0.3081,
0.4009

 7.0462, 0.2601,
0.6227


360.7792, 0.3085,

 3.4910, 0.2392,


0.3965

0.7431

425.0982, 0.3089,
0.3927

 1.3931, 0.0313,
0.9687


 0.2117, 0.0000,
1.0000


 80.5072, 0.3024,
0.4459


 80.5072, 0.3024,
0.4459


 77.6126, 0.3003,
0.4798

 84.0863, 0.3048,
0.4132


 75.3514, 0.2986,
0.5131

 88.3813, 0.3074,
0.3829

 73.6784, 0.2976,
0.5435

 93.4312, 0.3100,
0.3557

 72.5384, 0.2975,
0.5685

 99.2699, 0.3124,
0.3316

■ 71.8661, 0.2980,
0.5864

100.0000, 0.3127,
0.3290

■ 71.5767, 0.2988,
0.5958

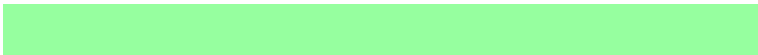
Harmonies

Analogous

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



80.5072, 0.3712, 0.4596



80.5072, 0.3024, 0.4459



80.5072, 0.2400, 0.3855

Triad

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



80.5072, 0.3024, 0.4459



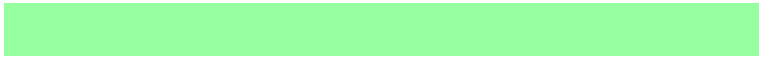
80.5072, 0.2036, 0.2241



80.5072, 0.4391, 0.3277

Complementary

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



80.5072, 0.3024, 0.4459



49.7444, 0.3249, 0.2349

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.



80.5072, 0.3833, 0.2784



80.5072, 0.3024, 0.4459



80.5072, 0.2454, 0.2212

Square

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



80.5072, 0.3024, 0.4459



80.5072, 0.1881, 0.2530



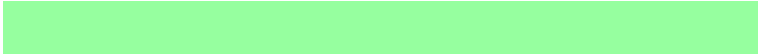
80.5072, 0.3100, 0.2408



80.5072, 0.4547, 0.3812

Rectangle

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



80.5072, 0.3024, 0.4459



80.5072, 0.2103, 0.3344



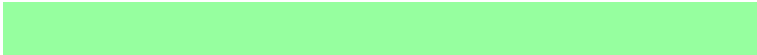
80.5072, 0.3100, 0.2408



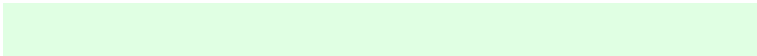
80.5072, 0.4242, 0.3104

Sweetspot

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



80.5098, 0.3024, 0.4459



92.9774, 0.3098, 0.3578



93.3620, 0.3684, 0.4334



19.7522, 0.3094, 0.3612



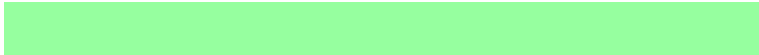
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

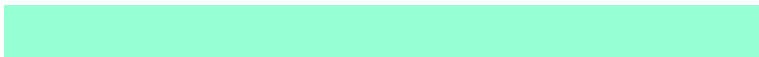
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5098, 0.3024, 0.4459



78.1831, 0.3007, 0.4725



82.7245, 0.2765, 0.3804



20.1932, 0.3104, 0.3514



37.4089, 0.2985, 0.5945



3.6505, 0.2953, 0.5829

Inverse Universe

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



49.7444, 0.3249, 0.2349



43.7933, 0.3276, 0.2186



46.9706, 0.3737, 0.2837



18.2722, 0.3151, 0.3075



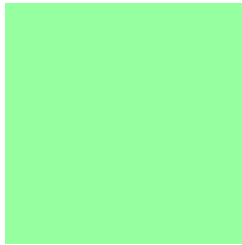
14.2037, 0.3436, 0.1666



1.3905, 0.3407, 0.1650

Previews

White Background



This preview shows how the Yxy color 80.5072, 0.3024, 0.4459 looks on a white background.

Color Contrast Check

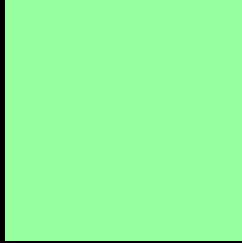
Large Text (above 18pt) WCAG AA × Fail

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 80.5072, 0.3024, 0.4459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

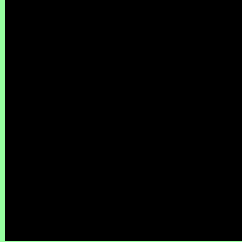
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

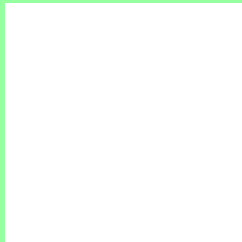
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5072, 0.3024, 0.4459

Background



This preview shows how black text looks on a background with the Yxy color 80.5072, 0.3024, 0.4459.

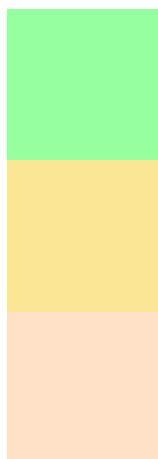


This preview shows how white text looks on a background with the Yxy color 80.5072, 0.3024, 0.4459.

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

80.5072, 0.3024, 0.4459

Protanopia

79.2728, 0.3816, 0.4115

Deuteranopia

79.2339, 0.3521, 0.3555



Tritanopia

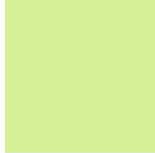
80.1050, 0.2721, 0.3127

Trichromacy



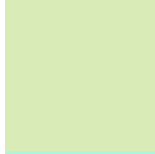
Original Color

80.5072, 0.3024, 0.4459



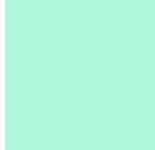
Protanomaly

78.3291, 0.3487, 0.4245



Deuteranomaly

78.2033, 0.3324, 0.3865



Tritanomaly

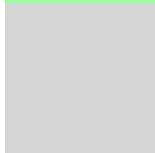
79.4708, 0.2836, 0.3576

Monochromacy



Original Color

80.5072, 0.3024, 0.4459



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.2842, 0.3087, 0.3703

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5072, 0.3024, 0.4459 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(150, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 159)  
}
```

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(150, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 159) }
```

Border

The CSS property to change the border of an element to Yxy 80.5072, 0.3024, 0.4459 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(150, 255, 159) }
```

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

```
.border{ border-color:rgb(150, 255, 159) }
```

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

Here you see how a box with a 4 pixel rgb(150, 255, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5072, 0.3024, 0.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 159) }
```

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

```
.background{ background-color: rgb(150,  
255, 159) }
```

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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