

Converting Colors

$Yxy(80.6054, 0.3069, 0.4525)$

Have a look what the booklet for
Yxy(80.6054, 0.3069, 0.4525)
contains.

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Color

Yxy(80.5922, 0.3069, 0.4526)

Conversions

Conversions Part 1

Format	Color
Hex	99FF99
RGB	153, 255, 153
RGB Percent	60%, 100%, 60%
CMY	0.4000, 0.0000, 0.3999
CMYK	0.40, 0.00, 0.40, 0.00
HSL	120°, 100%, 80%
HSV	120°, 40%, 100%
XYZ	54.6481, 80.5922, 42.8246
YIQ	212.8740, -28.0500, -53.3460

Conversions

Conversions Part 2

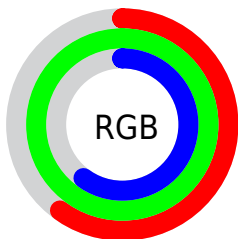
Format	Color
RYB	153, 255, 255
Decimal	10092441
CIELab	91.95, -49.54, 39.59
CIELCh	92, 63.410, 141.370
Yxy	80.5922, 0.3069, 0.4526
Android (android.graphics.Color)	4288282521 (0xFF99FF99)
YUV	212.8740, -29.5179, -52.5095
Hunter-Lab	89.7732, -48.4437, 34.5580

Details

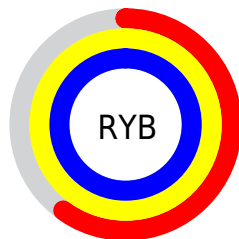
The Yxy color **80.5922, 0.3069, 0.4526** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.2600, 0.3174, 0.2302**, and the grayscale version is **66.6675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9230, 0.3122, 0.3793**, and **43.7951, 0.3029, 0.4856** is the 20% darker color. If you saturate the color by 10%, you get **77.6168, 0.3052, 0.4889**, and if you desaturate by 10%, it is **84.2795, 0.3086, 0.4173**.

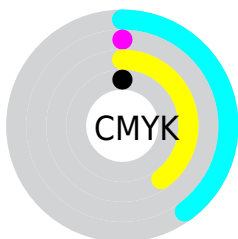
Distribution



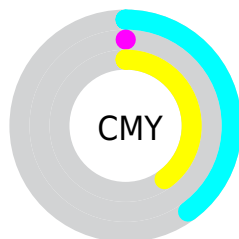
- Red (60%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.5922, 0.3069, 0.4526 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 80.5922, 0.3069, 0.4526 by changing the saturation by 10% instead.


 80.5922, 0.3069,
0.4526

 80.5922, 0.3069,
0.4526


496.9264, 0.3119,
0.3927

 60.2058, 0.3051,
0.4668

 134.1980, 0.3091,
0.4314

 43.5845, 0.3026,
0.4845


 168.1862, 0.3099,
0.4232

 30.3440, 0.2988,
0.5073


207.4771, 0.3104,
0.4163

 20.0999, 0.2929,
0.5373

252.4552, 0.3109,
0.4103

 12.4676, 0.2832,
0.5782

303.5047, 0.3112,
0.4050

 7.0630, 0.2658,
0.6362


361.0102, 0.3115,


 3.5015, 0.2436,


0.4004


0.7564


425.3559, 0.3117,
0.3963


 1.3988, 0.0333,
0.9667


 0.2159, 0.0000,
1.0000


 80.5922, 0.3069,
0.4526


 80.5922, 0.3069,
0.4526

 77.6168, 0.3052,
0.4889


 84.2795, 0.3086,
0.4173

 75.3049, 0.3036,
0.5238

 88.7175, 0.3101,
0.3844

 73.6066, 0.3021,
0.5545

 93.9457, 0.3115,
0.3549

 72.4633, 0.3010,
0.5782

99.9997, 0.3127,
0.3290

■ 71.8057, 0.3003,
0.5932

100.0000, 0.3127,
0.3290

■ 71.5202, 0.3000,
0.6000

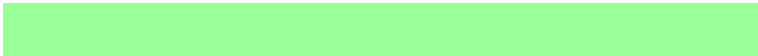
Harmonies

Analogous

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



80.5922, 0.3773, 0.4625



80.5922, 0.3069, 0.4526



80.5922, 0.2418, 0.3928

Triad

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



80.5922, 0.3069, 0.4526



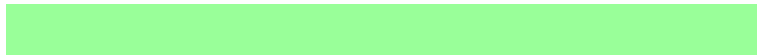
80.5922, 0.1988, 0.2225



80.5922, 0.4399, 0.3234

Complementary

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



80.5922, 0.3069, 0.4526



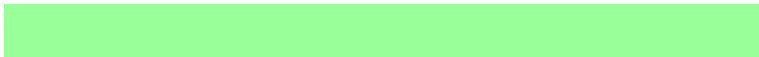
51.2600, 0.3174, 0.2302

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.



80.5922, 0.3801, 0.2737



80.5922, 0.3069, 0.4526



80.5922, 0.2396, 0.2180

Square

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



80.5922, 0.3069, 0.4526



80.5922, 0.1848, 0.2539



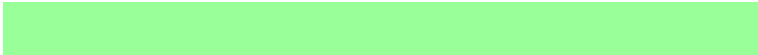
80.5922, 0.3044, 0.2364



80.5922, 0.4592, 0.3781

Rectangle

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



80.5922, 0.3069, 0.4526



80.5922, 0.2102, 0.3400



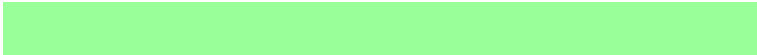
80.5922, 0.3044, 0.2364



80.5922, 0.4236, 0.3060

Sweetspot

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



80.5931, 0.3069, 0.4526



92.8354, 0.3112, 0.3606



95.0799, 0.3728, 0.4284



19.7191, 0.3111, 0.3643



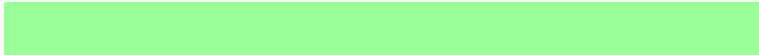
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

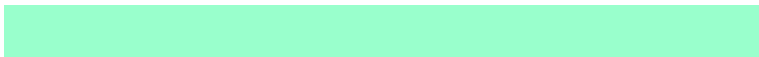
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5931, 0.3069, 0.4526



78.1575, 0.3055, 0.4817



82.6518, 0.2816, 0.3892



20.1683, 0.3116, 0.3536



37.3709, 0.3000, 0.6000



3.6387, 0.3000, 0.5999

Inverse Universe

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



51.2600, 0.3174, 0.2302



45.1433, 0.3182, 0.2125



48.4016, 0.3629, 0.2765



18.3003, 0.3138, 0.3056



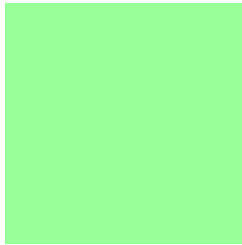
14.8788, 0.3210, 0.1542



1.4487, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 80.5922, 0.3069, 0.4526 looks on a white background.

Color Contrast Check

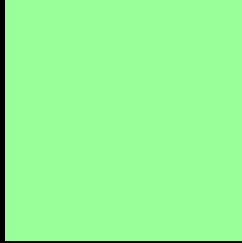
Large Text (above 18pt) WCAG AA × Fail

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 80.5922, 0.3069, 0.4526 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

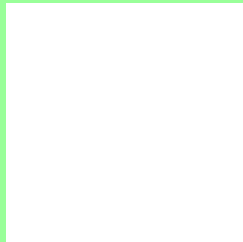
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5922, 0.3069, 0.4526

Background



This preview shows how black text looks on a background with the Yxy color 80.5922, 0.3069, 0.4526.

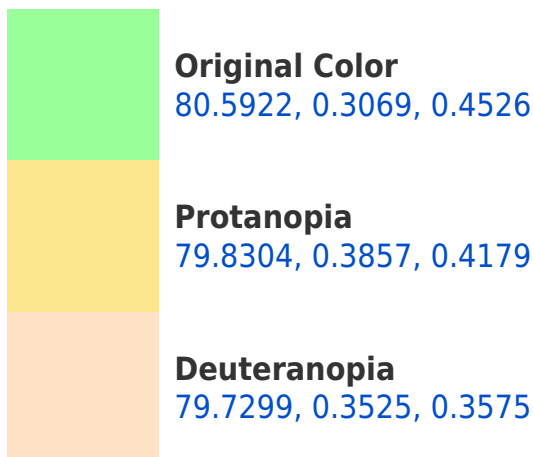


This preview shows how white text looks on a background with the Yxy color 80.5922, 0.3069, 0.4526.

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





Tritanopia

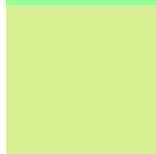
80.3590, 0.2732, 0.3127

Trichromacy



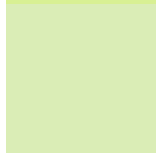
Original Color

80.5922, 0.3069, 0.4526



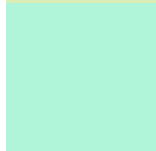
Protanomaly

79.0257, 0.3534, 0.4313



Deuteranomaly

78.8512, 0.3342, 0.3896



Tritanomaly

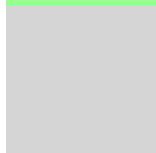
79.5969, 0.2858, 0.3599

Monochromacy



Original Color

80.5922, 0.3069, 0.4526



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.3248, 0.3107, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5922, 0.3069, 0.4526 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(153, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 153)  
}
```

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(153, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 80.5922, 0.3069, 0.4526 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(153, 255, 153) }
```

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

```
.border{ border-color:rgb(153, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5922, 0.3069, 0.4526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 153) }
```

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

```
.background{ background-color: rgb(153,  
255, 153) }
```

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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