

Converting Colors

$Yxy(80.3791, 0.3079, 0.4568)$

Have a look what the booklet for
Yxy(80.3791, 0.3079, 0.4568)
contains.

Yxy(80.3974, 0.3078, 0.4565)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(80.3974, 0.3078, 0.4565)

Conversions

Conversions Part 1

Format	Color
Hex	98FF96
RGB	152, 255, 150
RGB Percent	60%, 100%, 59%
CMY	0.4040, 0.0000, 0.4118
CMYK	0.40, 0.00, 0.41, 0.00
HSL	119°, 100%, 79%
HSV	119°, 41%, 100%
XYZ	54.2088, 80.3974, 41.5108
YIQ	212.2330, -27.6830, -54.4910

Conversions

Conversions Part 2

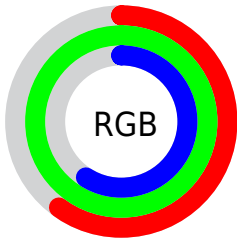
Format	Color
RYB	150, 255, 253
Decimal	10026902
CIELab	91.86, -50.28, 40.95
CIELCh	92, 64.844, 140.838
Yxy	80.3974, 0.3078, 0.4565
Android (android.graphics.Color)	4288216982 (0xFF98FF96)
YUV	212.2330, -30.6809, -52.8243
Hunter-Lab	89.6646, -48.9967, 35.3166

Details

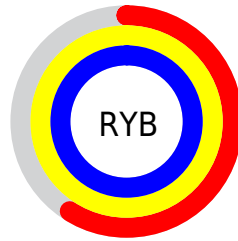
The Yxy color **80.3974, 0.3078, 0.4565** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.9172, 0.3158, 0.2269**, and the grayscale version is **66.2156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6294, 0.3133, 0.3827**, and **43.6841, 0.3039, 0.4904** is the 20% darker color. If you saturate the color by 10%, you get **77.4959, 0.3062, 0.4926**, and if you desaturate by 10%, it is **83.9804, 0.3093, 0.4211**.

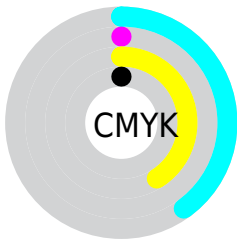
Distribution



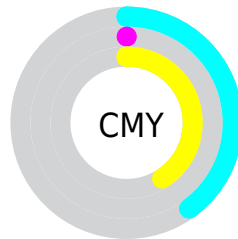
- Red (60%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (99%)



- Cyan (40%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)



- Cyan (40%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3974, 0.3078, 0.4565 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 80.3974, 0.3078, 0.4565 by changing the saturation by 10% instead.


 80.3974, 0.3078,
0.4565


 80.3974, 0.3078,
0.4565


496.2711, 0.3126,
0.3946

 60.0454, 0.3060,
0.4712


 133.9243, 0.3100,
0.4346

 43.4553, 0.3035,
0.4895


 167.8680, 0.3107,
0.4262

 30.2425, 0.2996,
0.5129


207.1111, 0.3112,
0.4190

 20.0227, 0.2935,
0.5438

252.0380, 0.3116,
0.4128

 12.4116, 0.2834,
0.5859

303.0331, 0.3120,
0.4074

 7.0246, 0.2652,
0.6450


360.4806, 0.3122,


 3.4775, 0.2395,


0.4026


0.7605


424.7652, 0.3124,
0.3984


 1.3858, 0.0149,
0.9851


 0.2062, 0.0000,
1.0000


 80.3974, 0.3078,
0.4565


 80.3974, 0.3078,
0.4565


 77.4959, 0.3062,
0.4926


 83.9804, 0.3093,
0.4211


 75.2414, 0.3046,
0.5271

 88.2945, 0.3106,
0.3881

 73.5816, 0.3031,
0.5570

 93.3736, 0.3117,
0.3582

 72.4605, 0.3017,
0.5799

 99.2523, 0.3126,
0.3319

■ 71.8111, 0.3007,
0.5940

100.0000, 0.3127,
0.3290

■ 71.5510, 0.3003,
0.5998

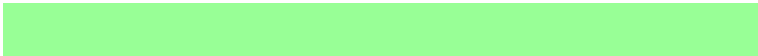
Harmonies

Analogous

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



80.3974, 0.3796, 0.4652



80.3974, 0.3078, 0.4565



80.3974, 0.2412, 0.3958

Triad

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



80.3974, 0.3078, 0.4565



80.3974, 0.1960, 0.2206



80.3974, 0.4422, 0.3221

Complementary

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



80.3974, 0.3078, 0.4565



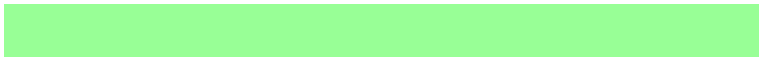
49.9172, 0.3158, 0.2269

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.



80.3974, 0.3803, 0.2717



80.3974, 0.3078, 0.4565



80.3974, 0.2370, 0.2157

Square

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



80.3974, 0.3078, 0.4565



80.3974, 0.1823, 0.2530



80.3974, 0.3028, 0.2341



80.3974, 0.4625, 0.3777

Rectangle

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



80.3974, 0.3078, 0.4565



80.3974, 0.2086, 0.3415



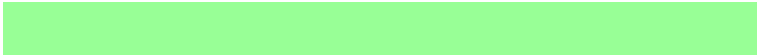
80.3974, 0.3028, 0.2341



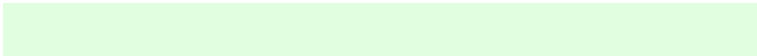
80.3974, 0.4252, 0.3044

Sweetspot

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



80.3942, 0.3078, 0.4565



92.9273, 0.3116, 0.3605



92.7688, 0.3757, 0.4282



19.7405, 0.3115, 0.3643



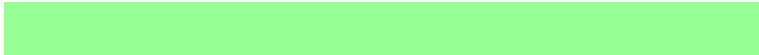
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

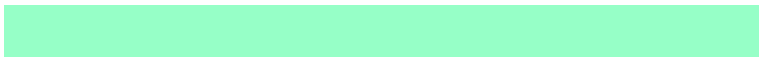
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.3942, 0.3078, 0.4565



78.0711, 0.3066, 0.4848



82.1266, 0.2825, 0.3957



20.1844, 0.3118, 0.3536



37.3940, 0.3004, 0.5997



3.6464, 0.3013, 0.5990

Inverse Universe

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



49.9172, 0.3158, 0.2269



44.0151, 0.3162, 0.2096



47.5263, 0.3615, 0.2715



18.2819, 0.3135, 0.3056



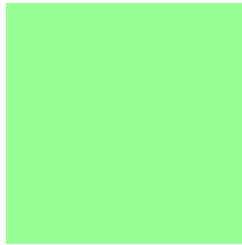
14.4195, 0.3162, 0.1516



1.4093, 0.3168, 0.1519

Previews

White Background



This preview shows how the Yxy color 80.3974, 0.3078, 0.4565 looks on a white background.

Color Contrast Check

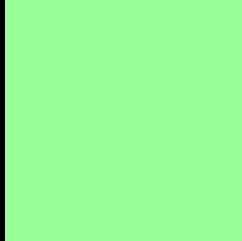
Large Text (above 18pt) WCAG AA × Fail

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 80.3974, 0.3078, 0.4565 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

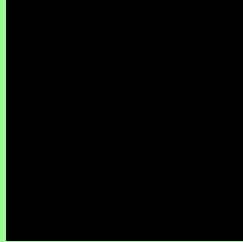
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

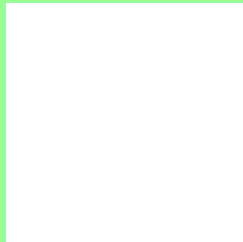
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.3974, 0.3078, 0.4565

Background



This preview shows how black text looks on a background with the Yxy color 80.3974, 0.3078, 0.4565.

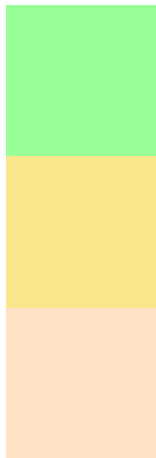


This preview shows how white text looks on a background with the Yxy color 80.3974, 0.3078, 0.4565.

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

80.3974, 0.3078, 0.4565

Protanopia

79.1825, 0.3880, 0.4199

Deuteranopia

79.1416, 0.3535, 0.3575



Tritanopia

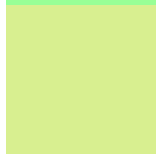
79.6444, 0.2725, 0.3116

Trichromacy



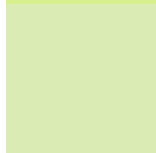
Original Color

80.3974, 0.3078, 0.4565



Protanomaly

78.3456, 0.3554, 0.4336



Deuteranomaly

78.1916, 0.3356, 0.3908



Tritanomaly

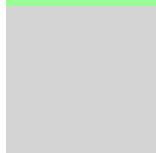
79.4285, 0.2858, 0.3611

Monochromacy



Original Color

80.3974, 0.3078, 0.4565



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.1081, 0.3112, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3974, 0.3078, 0.4565 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(152, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(152, 255, 150)  
}
```

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(152, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 80.3974, 0.3078, 0.4565 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(152, 255, 150) }
```

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

```
.border{ border-color:rgb(152, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(152, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3974, 0.3078, 0.4565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 255, 150) }
```

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

```
.background{ background-color: rgb(152,  
255, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor