

Converting Colors

$Yxy(80.5335, 0.3082, 0.4555)$

Have a look what the booklet for
Yxy(80.5335, 0.3082, 0.4555)
contains.

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Color

Yxy(80.5267, 0.3079, 0.4551)

Conversions

Conversions Part 1

Format	Color
Hex	99FF97
RGB	153, 255, 151
RGB Percent	60%, 100%, 59%
CMY	0.4000, 0.0000, 0.4080
CMYK	0.40, 0.00, 0.41, 0.00
HSL	119°, 100%, 80%
HSV	119°, 41%, 100%
XYZ	54.4807, 80.5267, 41.9355
YIQ	212.6460, -27.4080, -53.9680

Conversions

Conversions Part 2

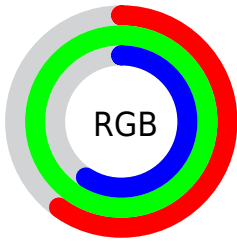
Format	Color
RYB	151, 255, 253
Decimal	10092439
CIELab	91.92, -49.83, 40.56
CIElCh	92, 64.252, 140.860
Yxy	80.5267, 0.3079, 0.4551
Android (android.graphics.Color)	4288282519 (0xFF99FF97)
YUV	212.6460, -30.3915, -52.3095
Hunter-Lab	89.7367, -48.6687, 35.1085

Details

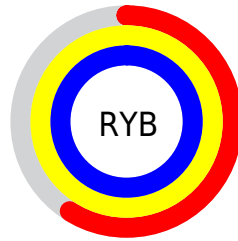
The Yxy color **80.5267, 0.3079, 0.4551** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.2197, 0.3157, 0.2278**, and the grayscale version is **66.5086, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8251, 0.3133, 0.3815**, and **43.7568, 0.3040, 0.4887** is the 20% darker color. If you saturate the color by 10%, you get **77.6019, 0.3063, 0.4912**, and if you desaturate by 10%, it is **84.1386, 0.3093, 0.4198**.

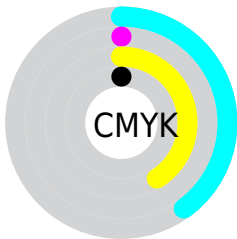
Distribution



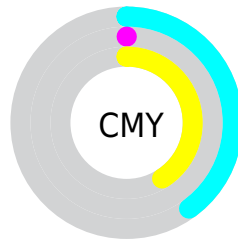
- Red (60%)
- Green (100%)
- Blue (59%)



- 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 80.5267, 0.3079, 0.4551 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 80.5267, 0.3079, 0.4551 by changing the saturation by 10% instead.


 80.5267, 0.3079,
0.4551

 80.5267, 0.3079,
0.4551


496.7061, 0.3126,
0.3940

 60.1519, 0.3062,
0.4696


 134.1060, 0.3101,
0.4334

 43.5411, 0.3037,
0.4877

 168.0792, 0.3107,
0.4251

 30.3099, 0.2999,
0.5108


207.3541, 0.3113,
0.4180

 20.0739, 0.2940,
0.5414

252.3149, 0.3117,
0.4119

 12.4488, 0.2841,
0.5829

303.3462, 0.3120,
0.4066

 7.0501, 0.2663,
0.6415


360.8322, 0.3122,


 3.4934, 0.2420,


0.4018


0.7580


425.1573, 0.3124,
0.3977


 1.3945, 0.0264,
0.9736


 0.2126, 0.0000,
1.0000


 80.5267, 0.3079,
0.4551


 80.5267, 0.3079,
0.4551


 77.6019, 0.3063,
0.4912


 84.1386, 0.3093,
0.4198

 75.3230, 0.3047,
0.5258

 88.4800, 0.3106,
0.3869

 73.6403, 0.3032,
0.5560

 93.5871, 0.3117,
0.3571

 72.4982, 0.3018,
0.5791

 99.4941, 0.3126,
0.3309

■ 71.8305, 0.3008,
0.5936

100.0000, 0.3127,
0.3290

■ 71.5522, 0.3003,
0.5998

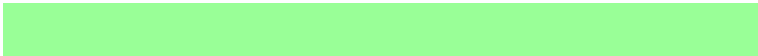
Harmonies

Analogous

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



80.5267, 0.3791, 0.4640



80.5267, 0.3079, 0.4551



80.5267, 0.2418, 0.3950

Triad

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



80.5267, 0.3079, 0.4551



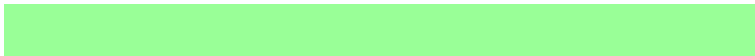
80.5267, 0.1970, 0.2215



80.5267, 0.4409, 0.3223

Complementary

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



80.5267, 0.3079, 0.4551



50.2197, 0.3157, 0.2278

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.



80.5267, 0.3798, 0.2723



80.5267, 0.3079, 0.4551



80.5267, 0.2377, 0.2166

Square

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



80.5267, 0.3079, 0.4551



80.5267, 0.1834, 0.2537



80.5267, 0.3030, 0.2349



80.5267, 0.4611, 0.3775

Rectangle

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



80.5267, 0.3079, 0.4551



80.5267, 0.2095, 0.3414



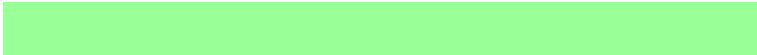
80.5267, 0.3030, 0.2349



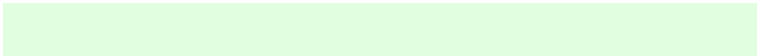
80.5267, 0.4242, 0.3047

Sweetspot

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



80.5258, 0.3079, 0.4551



92.9308, 0.3116, 0.3605



92.8208, 0.3752, 0.4274



19.7413, 0.3115, 0.3643



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

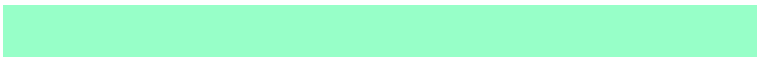
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5258, 0.3079, 0.4551



78.0783, 0.3066, 0.4848



82.2439, 0.2828, 0.3949



20.1851, 0.3119, 0.3536



37.3949, 0.3004, 0.5997



3.6467, 0.3014, 0.5989

Inverse Universe

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



50.2197, 0.3157, 0.2278



43.9984, 0.3161, 0.2095



47.8615, 0.3609, 0.2720



18.2812, 0.3135, 0.3056



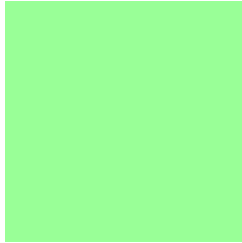
14.4022, 0.3160, 0.1515



1.4078, 0.3166, 0.1518

Previews

White Background



This preview shows how the Yxy color 80.5267, 0.3079, 0.4551 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 80.5267, 0.3079, 0.4551 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

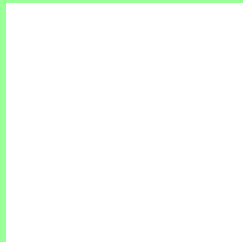
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5267, 0.3079, 0.4551

Background



This preview shows how black text looks on a background with the Yxy color 80.5267, 0.3079, 0.4551.

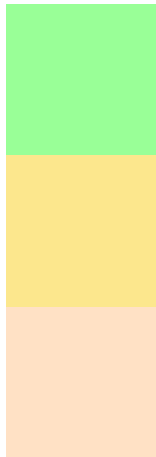


This preview shows how white text looks on a background with the Yxy color 80.5267, 0.3079, 0.4551.

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

80.5267, 0.3079, 0.4551

Protanopia

79.7704, 0.3870, 0.4198

Deuteranopia

79.1416, 0.3535, 0.3575



Tritanopia

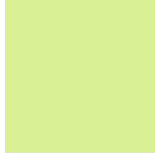
80.3590, 0.2732, 0.3127

Trichromacy



Original Color

80.5267, 0.3079, 0.4551



Protanomaly

78.9634, 0.3545, 0.4334



Deuteranomaly

78.1916, 0.3356, 0.3908



Tritanomaly

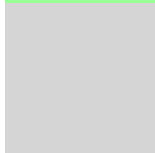
79.5447, 0.2863, 0.3611

Monochromacy



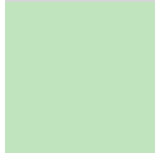
Original Color

80.5267, 0.3079, 0.4551



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.2809, 0.3113, 0.3738

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5267, 0.3079, 0.4551 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 151) }
```

Border

The CSS property to change the border of an element to Yxy 80.5267, 0.3079, 0.4551 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, 151) }
```

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

```
.border{ border-color:rgb(153, 255, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5267, 0.3079, 0.4551 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, 151) }
```

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

```
.background{ background-color: rgb(153,  
255, 151) }
```

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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