

Converting Colors

$Y_{xy}(104.9940, 0.2937, 0.4581)$

Have a look what the booklet for
Yxy(104.9940, 0.2937, 0.4581)
contains.

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Color

Yxy(80.5957, 0.2924, 0.4279)

Conversions

Conversions Part 1

Format	Color
Hex	91FFAE
RGB	145, 255, 174
RGB Percent	57%, 100%, 68%
CMY	0.4314, 0.0000, 0.3178
CMYK	0.43, 0.00, 0.32, 0.00
HSL	136°, 100%, 78%
HSV	136°, 43%, 100%
XYZ	55.0740, 80.5957, 52.6820
YIQ	212.8760, -39.5590, -48.5110

Conversions

Conversions Part 2

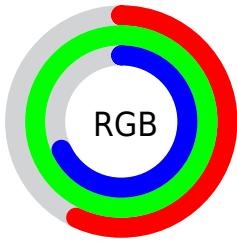
Format	Color
RYB	145, 232, 255
Decimal	9568174
CIELab	91.95, -48.46, 29.11
CIElCh	92, 56.536, 149.007
Yxy	80.5957, 0.2924, 0.4279
Android (android.graphics.Color)	4287758254 (0xFF91FFAE)
YUV	212.8760, -19.1659, -59.5273
Hunter-Lab	89.7751, -47.6026, 28.0499

Details

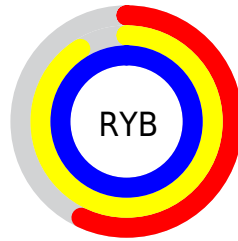
The Yxy color **80.5957, 0.2924, 0.4279** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.0027, 0.3431, 0.2478**, and the grayscale version is **66.5994, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9297, 0.2953, 0.3556**, and **43.7949, 0.2859, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **77.8501, 0.2892, 0.4560**, and if you desaturate by 10%, it is **83.9610, 0.2965, 0.4012**.

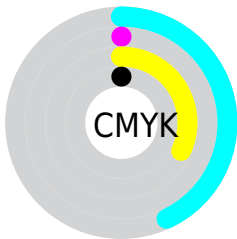
Distribution



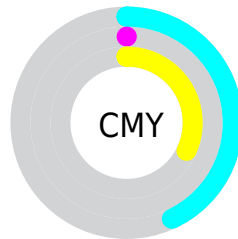
- Red (57%)
- Green (100%)
- Blue (68%)



- Red (57%)
- Yellow (91%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5957, 0.2924, 0.4279 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 80.5957, 0.2924, 0.4279 by changing the saturation by 10% instead.


 80.5957, 0.2924,
0.4279


 80.5957, 0.2924,
0.4279


496.9381, 0.3031,
0.3801

 60.2087, 0.2896,
0.4393


 134.2029, 0.2964,
0.4109

 43.5869, 0.2860,
0.4535


 168.1919, 0.2979,
0.4045

 30.3458, 0.2811,
0.4719


207.4837, 0.2991,
0.3989

 20.1012, 0.2742,
0.4964

252.4627, 0.3002,
0.3941

 12.4687, 0.2640,
0.5305

303.5132, 0.3011,
0.3900

 7.0637, 0.2475,
0.5806


361.0197, 0.3019,


 3.5020, 0.2200,


0.3863


0.6642


425.3665, 0.3025,
0.3830


 1.3991, 0.0505,
0.9495


 0.2160, 0.0000,
1.0000

 80.5957, 0.2924,
0.4279


 80.5957, 0.2924,
0.4279


 77.8501, 0.2892,
0.4560


 83.9610, 0.2965,
0.4012


 75.6886, 0.2871,
0.4845

 87.9857, 0.3012,
0.3767

 74.0659, 0.2864,
0.5121

 92.7017, 0.3061,
0.3545

 72.9313, 0.2874,
0.5374

 98.1399, 0.3111,
0.3347

■ 72.2238, 0.2898,
0.5588

100.0000, 0.3127,
0.3290

■ 71.9272, 0.2919,
0.5709

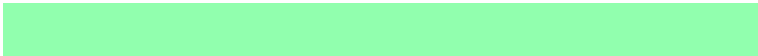
Harmonies

Analogous

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



80.5957, 0.3563, 0.4498



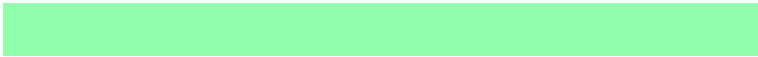
80.5957, 0.2924, 0.4279



80.5957, 0.2373, 0.3682

Triad

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



80.5957, 0.2924, 0.4279



80.5957, 0.2168, 0.2295



80.5957, 0.4345, 0.3376

Complementary

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



80.5957, 0.2924, 0.4279



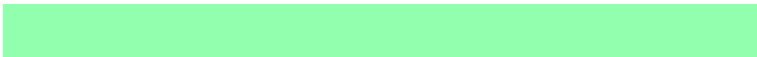
47.0027, 0.3431, 0.2478

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.



80.5957, 0.3890, 0.2901



80.5957, 0.2924, 0.4279



80.5957, 0.2603, 0.2306

Square

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



80.5957, 0.2924, 0.4279



80.5957, 0.1976, 0.2523



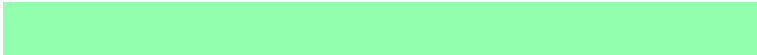
80.5957, 0.3228, 0.2523



80.5957, 0.4418, 0.3875

Rectangle

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



80.5957, 0.2924, 0.4279



80.5957, 0.2123, 0.3222



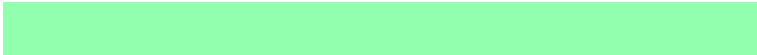
80.5957, 0.3228, 0.2523



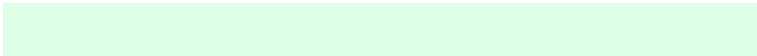
80.5957, 0.4230, 0.3212

Sweetspot

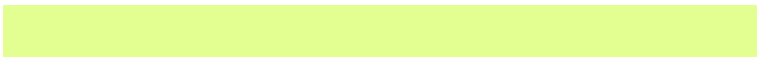
The Sweet Spot groups the original color and five complimentary colors.



80.5944, 0.2924, 0.4279



92.7718, 0.3062, 0.3542



89.9765, 0.3582, 0.4432



19.6206, 0.3051, 0.3588



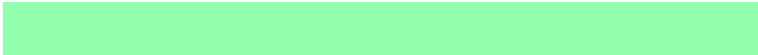
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.5944, 0.2924, 0.4279



78.1323, 0.2895, 0.4527



83.1132, 0.2665, 0.3608



20.2467, 0.3079, 0.3470



37.6043, 0.2912, 0.5682



3.6785, 0.2852, 0.5467

Inverse Universe

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



47.0027, 0.3431, 0.2478



40.4488, 0.3517, 0.2325



44.5079, 0.3973, 0.3005



18.2139, 0.3179, 0.3117



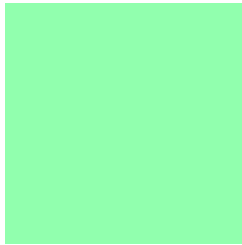
13.0283, 0.4013, 0.1984



1.2865, 0.3900, 0.1922

Previews

White Background



This preview shows how the Yxy color 80.5957, 0.2924, 0.4279 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 80.5957, 0.2924, 0.4279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

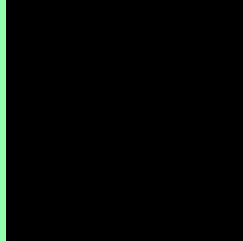
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.5957, 0.2924, 0.4279

Background



This preview shows how black text looks on a background with the Yxy color 80.5957, 0.2924, 0.4279.

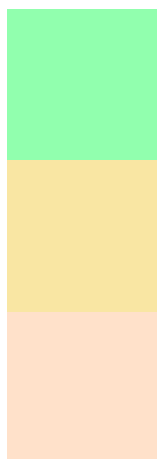


This preview shows how white text looks on a background with the Yxy color 80.5957, 0.2924, 0.4279.

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

80.5957, 0.2924, 0.4279

Protanopia

79.3777, 0.3709, 0.3980

Deuteranopia

79.3747, 0.3500, 0.3524



Tritanopia

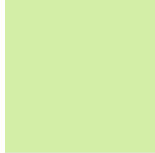
79.8545, 0.2710, 0.3126

Trichromacy



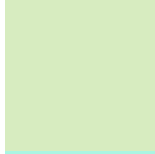
Original Color

80.5957, 0.2924, 0.4279



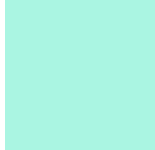
Protanomaly

78.3719, 0.3381, 0.4096



Deuteranomaly

78.2437, 0.3260, 0.3776



Tritanomaly

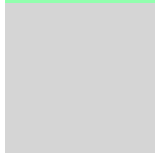
79.3419, 0.2783, 0.3507

Monochromacy



Original Color

80.5957, 0.2924, 0.4279



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

70.3017, 0.3037, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5957, 0.2924, 0.4279 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(145, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 174)  
}
```

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(145, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 174) }
```

Border

The CSS property to change the border of an element to Yxy 80.5957, 0.2924, 0.4279 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(145, 255, 174) }
```

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

```
.border{ border-color:rgb(145, 255, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5957, 0.2924, 0.4279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 174) }
```

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

```
.background{ background-color: rgb(145,  
255, 174) }
```

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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