

Converting Colors

$Yxy(80.4110, 0.2959, 0.4359)$

Have a look what the booklet for
Yxy(80.4110, 0.2959, 0.4359)
contains.

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Color

Yxy(80.4581, 0.2958, 0.4353)

Conversions

Conversions Part 1

Format	Color
Hex	92FFA8
RGB	146, 255, 168
RGB Percent	57%, 100%, 66%
CMY	0.4277, 0.0000, 0.3411
CMYK	0.43, 0.00, 0.34, 0.00
HSL	132°, 100%, 79%
HSV	132°, 43%, 100%
XYZ	54.6738, 80.4581, 49.7018
YIQ	212.4910, -37.0370, -50.1650

Conversions

Conversions Part 2

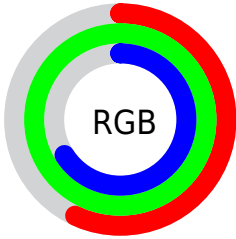
Format	Color
RYB	146, 237, 255
Decimal	9633704
CIELab	91.89, -49.21, 32.02
CIElCh	92, 58.714, 146.946
Yxy	80.4581, 0.2958, 0.4353
Android (android.graphics.Color)	4287823784 (0xFF92FFA8)
YUV	212.4910, -21.9341, -58.3126
Hunter-Lab	89.6984, -48.1713, 29.9364

Details

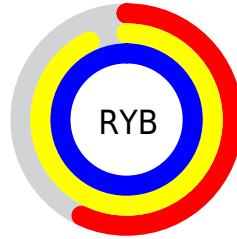
The Yxy color **80.4581, 0.2958, 0.4353** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.6748, 0.3367, 0.2425**, and the grayscale version is **66.3359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7392, 0.2991, 0.3622**, and **43.7007, 0.2899, 0.4638** is the 20% darker color. If you saturate the color by 10%, you get **77.6720, 0.2930, 0.4655**, and if you desaturate by 10%, it is **83.8726, 0.2993, 0.4065**.

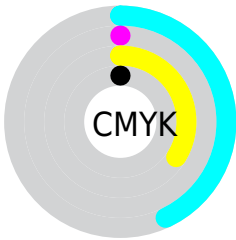
Distribution



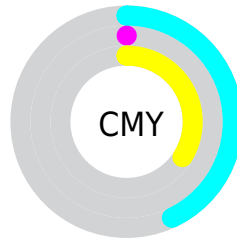
- Red (57%)
- Green (100%)
- Blue (66%)



- Red (57%)
- Yellow (93%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4581, 0.2958, 0.4353 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 80.4581, 0.2958, 0.4353 by changing the saturation by 10% instead.

 80.4581, 0.2958,
0.4353

 80.4581, 0.2958,
0.4353


496.4753, 0.3052,
0.3838

 60.0954, 0.2932,
0.4476


 134.0096, 0.2994,
0.4170

 43.4955, 0.2898,
0.4629


 167.9672, 0.3007,
0.4100

 30.2741, 0.2852,
0.4827


207.2252, 0.3018,
0.4041

 20.0467, 0.2785,
0.5091

252.1680, 0.3027,
0.3989

 12.4290, 0.2683,
0.5456

303.1801, 0.3035,
0.3944

 7.0366, 0.2515,
0.5989

360.6457, 0.3042,

 3.4850, 0.2253,

0.3905

0.6950

424.9493, 0.3047,
0.3870

■ 1.3899, 0.0346,
0.9654

■ 0.2092, 0.0000,
1.0000

■ 80.4581, 0.2958,
0.4353

■ 80.4581, 0.2958,
0.4353

■ 77.6720, 0.2930,
0.4655

■ 83.8726, 0.2993,
0.4065

■ 75.4906, 0.2911,
0.4958

■ 87.9692, 0.3033,
0.3798

■ 73.8628, 0.2905,
0.5247

■ 92.7764, 0.3074,
0.3558

■ 72.7367, 0.2913,
0.5502

■ 98.3261, 0.3116,
0.3344

■ 72.0501, 0.2932,
0.5708

100.0000, 0.3127,
0.3290

■ 71.7647, 0.2950,
0.5821

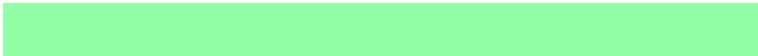
Harmonies

Analogous

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



80.4581, 0.3619, 0.4544



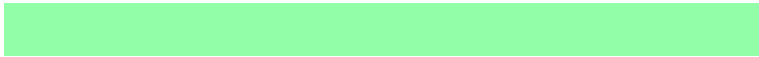
80.4581, 0.2958, 0.4353



80.4581, 0.2377, 0.3746

Triad

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



80.4581, 0.2958, 0.4353



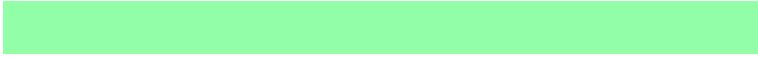
80.4581, 0.2113, 0.2268



80.4581, 0.4371, 0.3340

Complementary

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



80.4581, 0.2958, 0.4353



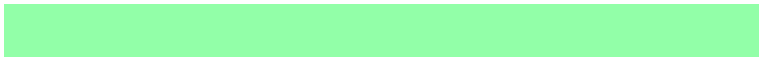
47.6748, 0.3367, 0.2425

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.



80.4581, 0.3876, 0.2856



80.4581, 0.2958, 0.4353



80.4581, 0.2545, 0.2266

Square

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



80.4581, 0.2958, 0.4353



80.4581, 0.1933, 0.2519



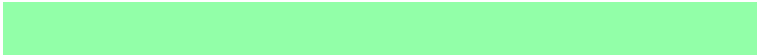
80.4581, 0.3182, 0.2476



80.4581, 0.4475, 0.3855

Rectangle

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



80.4581, 0.2958, 0.4353



80.4581, 0.2108, 0.3264



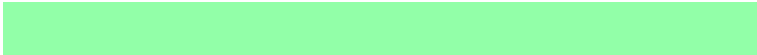
80.4581, 0.3182, 0.2476



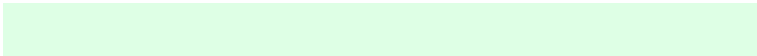
80.4581, 0.4244, 0.3171

Sweetspot

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



80.4525, 0.2958, 0.4353



92.6587, 0.3073, 0.3563



90.9482, 0.3616, 0.4408



19.5930, 0.3064, 0.3614



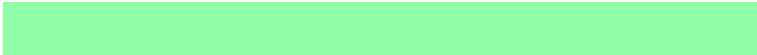
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.4525, 0.2958, 0.4353



78.1199, 0.2934, 0.4601



82.9136, 0.2693, 0.3671



20.2283, 0.3088, 0.3485



37.5154, 0.2944, 0.5799



3.6675, 0.2890, 0.5604

Inverse Universe

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



47.6748, 0.3367, 0.2425



41.5530, 0.3428, 0.2273



45.0372, 0.3905, 0.2950



18.2336, 0.3169, 0.3102



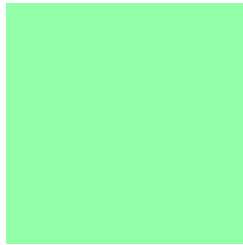
13.3929, 0.3800, 0.1867



1.3192, 0.3720, 0.1823

Previews

White Background



This preview shows how the Yxy color 80.4581, 0.2958, 0.4353 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 80.4581, 0.2958, 0.4353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

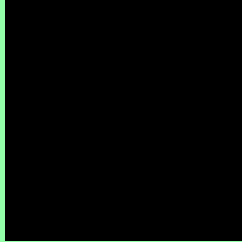
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

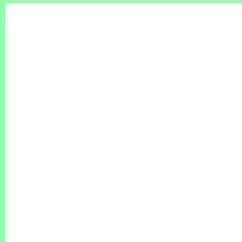
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.4581, 0.2958, 0.4353

Background



This preview shows how black text looks on a background with the Yxy color 80.4581, 0.2958, 0.4353.

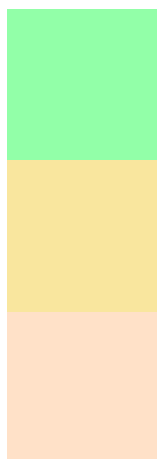


This preview shows how white text looks on a background with the Yxy color 80.4581, 0.2958, 0.4353.

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

80.4581, 0.2958, 0.4353

Protanopia

79.2020, 0.3742, 0.4031

Deuteranopia

79.2806, 0.3514, 0.3544



Tritanopia

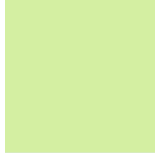
79.8545, 0.2710, 0.3126

Trichromacy



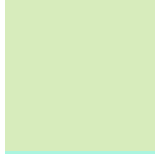
Original Color

80.4581, 0.2958, 0.4353



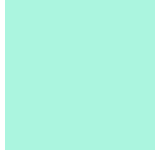
Protanomaly

78.3387, 0.3419, 0.4150



Deuteranomaly

78.0688, 0.3285, 0.3822



Tritanomaly

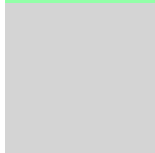
79.2905, 0.2804, 0.3542

Monochromacy



Original Color

80.4581, 0.2958, 0.4353



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.1637, 0.3055, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4581, 0.2958, 0.4353 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(146, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 168)  
}
```

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(146, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 80.4581, 0.2958, 0.4353 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(146, 255, 168) }
```

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

```
.border{ border-color:rgb(146, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 255, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 255, 168); box-shadow:4px 4px 4px 4px rgb(146, 255, 168) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4581, 0.2958, 0.4353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 168) }
```

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

```
.background{ background-color: rgb(146,  
255, 168) }
```

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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