

Converting Colors

Yxy(80.3633, 0.3015, 0.4458)

Have a look what the booklet for
Yxy(80.3633, 0.3015, 0.4458)
contains.

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Color

Yxy(80.4128, 0.3018, 0.4460)

Conversions

Conversions Part 1

Format	Color
Hex	95FF9F
RGB	149, 255, 159
RGB Percent	58%, 100%, 62%
CMY	0.4157, 0.0000, 0.3763
CMYK	0.42, 0.00, 0.38, 0.00
HSL	126°, 100%, 79%
HSV	126°, 42%, 100%
XYZ	54.4139, 80.4128, 45.4711
YIQ	212.3620, -32.3600, -52.3280

Conversions

Conversions Part 2

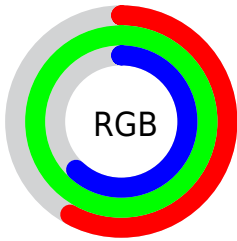
Format	Color
RYB	149, 246, 255
Decimal	9830303
CIELab	91.87, -49.78, 36.49
CIELCh	92, 61.725, 143.761
Yxy	80.4128, 0.3018, 0.4460
Android (android.graphics.Color)	4288020383 (0xFF95FF9F)
YUV	212.3620, -26.3075, -55.5685
Hunter-Lab	89.6732, -48.6139, 32.7067

Details

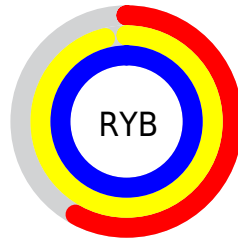
The Yxy color **80.4128, 0.3018, 0.4460** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.3422, 0.3259, 0.2349**, and the grayscale version is **66.2873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6404, 0.3064, 0.3730**, and **43.7041, 0.2972, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **77.5437, 0.2996, 0.4796**, and if you desaturate by 10%, it is **83.9578, 0.3043, 0.4136**.

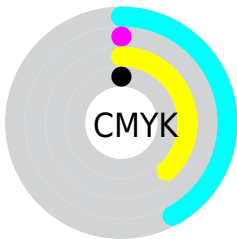
Distribution



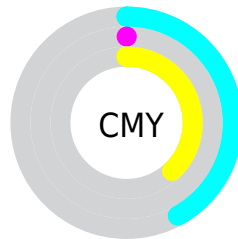
- Red (58%)
- Green (100%)
- Blue (62%)



- Red (58%)
- Yellow (96%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.4128, 0.3018, 0.4460 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 80.4128, 0.3018, 0.4460 by changing the saturation by 10% instead.


 80.4128, 0.3018,
0.4460


 80.4128, 0.3018,
0.4460


496.3229, 0.3089,
0.3892

 60.0581, 0.2996,
0.4595


 133.9460, 0.3047,
0.4259

 43.4655, 0.2967,
0.4764

 167.8932, 0.3057,
0.4181

 30.2505, 0.2925,
0.4981


207.1401, 0.3065,
0.4116

 20.0288, 0.2862,
0.5269

252.0710, 0.3072,
0.4059

 12.4160, 0.2761,
0.5665

303.0703, 0.3077,
0.4009

 7.0276, 0.2588,
0.6234


360.5225, 0.3082,


 3.4794, 0.2375,


0.3966


0.7443

424.8119, 0.3086,
0.3927

 1.3868, 0.0237,
0.9763

 0.2070, 0.0000,
1.0000


 80.4128, 0.3018,
0.4460


 80.4128, 0.3018,
0.4460


 77.5437, 0.2996,
0.4796


 83.9578, 0.3043,
0.4136


 75.3057, 0.2980,
0.5127

 88.2161, 0.3070,
0.3835

 73.6514, 0.2971,
0.5429

 93.2244, 0.3097,
0.3564

 72.5259, 0.2970,
0.5678

 99.0164, 0.3123,
0.3325

■ 71.8639, 0.2977,
0.5858

100.0000, 0.3127,
0.3290

■ 71.5867, 0.2986,
0.5950

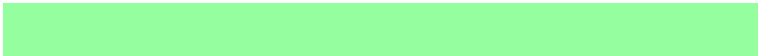
Harmonies

Analogous

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



80.4128, 0.3708, 0.4601



80.4128, 0.3018, 0.4460



80.4128, 0.2394, 0.3851

Triad

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



80.4128, 0.3018, 0.4460



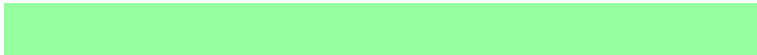
80.4128, 0.2035, 0.2237



80.4128, 0.4398, 0.3280

Complementary

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



80.4128, 0.3018, 0.4460



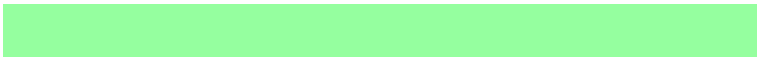
49.3422, 0.3259, 0.2349

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.



80.4128, 0.3841, 0.2786



80.4128, 0.3018, 0.4460



80.4128, 0.2456, 0.2210

Square

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



80.4128, 0.3018, 0.4460



80.4128, 0.1877, 0.2524



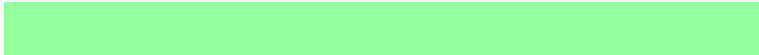
80.4128, 0.3105, 0.2408



80.4128, 0.4551, 0.3817

Rectangle

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



80.4128, 0.3018, 0.4460



80.4128, 0.2097, 0.3338



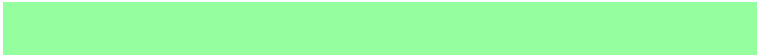
80.4128, 0.3105, 0.2408



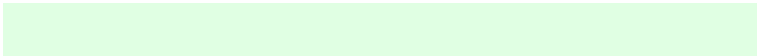
80.4128, 0.4249, 0.3107

Sweetspot

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



80.4135, 0.3018, 0.4460



92.9939, 0.3096, 0.3575



93.3126, 0.3689, 0.4344



19.7561, 0.3092, 0.3609



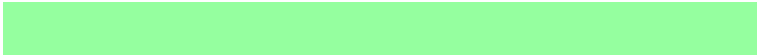
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.4135, 0.3018, 0.4460



77.9517, 0.2999, 0.4743



82.6035, 0.2762, 0.3810



20.1961, 0.3103, 0.3512



37.4148, 0.2983, 0.5937



3.6519, 0.2947, 0.5810

Inverse Universe

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



49.3422, 0.3259, 0.2349



43.0342, 0.3291, 0.2177



46.6101, 0.3746, 0.2833



18.2689, 0.3153, 0.3078



14.1307, 0.3464, 0.1682



1.3841, 0.3431, 0.1664

Previews

White Background



This preview shows how the Yxy color 80.4128, 0.3018, 0.4460 looks on a white background.

Color Contrast Check

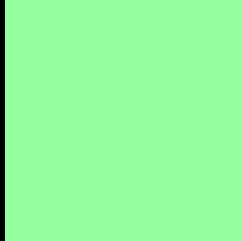
Large Text (above 18pt) WCAG AA × Fail

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 80.4128, 0.3018, 0.4460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

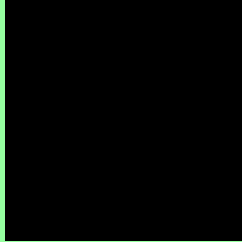
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.4128, 0.3018, 0.4460

Background



This preview shows how black text looks on a background with the Yxy color 80.4128, 0.3018, 0.4460.

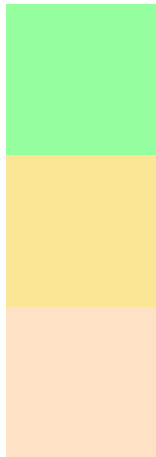


This preview shows how white text looks on a background with the Yxy color 80.4128, 0.3018, 0.4460.

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

80.4128, 0.3018, 0.4460

Protanopia

79.0875, 0.3808, 0.4117

Deuteranopia

79.1876, 0.3528, 0.3565



Tritanopia

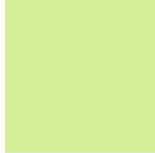
80.1050, 0.2721, 0.3127

Trichromacy



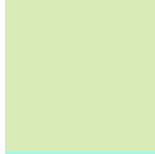
Original Color

80.4128, 0.3018, 0.4460



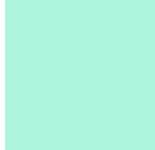
Protanomaly

78.1790, 0.3480, 0.4247



Deuteranomaly

78.0505, 0.3317, 0.3866



Tritanomaly

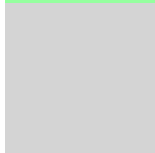
79.3564, 0.2831, 0.3577

Monochromacy



Original Color

80.4128, 0.3018, 0.4460



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

70.1559, 0.3081, 0.3704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.4128, 0.3018, 0.4460 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(149, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(149, 255, 159)  
}
```

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(149, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 159) }
```

Border

The CSS property to change the border of an element to Yxy 80.4128, 0.3018, 0.4460 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(149, 255, 159) }
```

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

```
.border{ border-color:rgb(149, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 255, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 255, 159); box-shadow:4px 4px 4px 4px rgb(149, 255, 159) }
```


Background

The CSS property to change the background color of an element to Yxy 80.4128, 0.3018, 0.4460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 159) }
```

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

```
.background{ background-color: rgb(149,  
255, 159) }
```

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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