

Converting Colors

$Yxy(80.1283, 0.3059, 0.4564)$

Have a look what the booklet for
Yxy(80.1283, 0.3059, 0.4564)
contains.

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Color

Yxy(80.1439, 0.3057, 0.4559)

Conversions

Conversions Part 1

Format	Color
Hex	95FF97
RGB	149, 255, 151
RGB Percent	58%, 100%, 59%
CMY	0.4157, 0.0000, 0.4079
CMYK	0.42, 0.00, 0.41, 0.00
HSL	121°, 100%, 79%
HSV	121°, 42%, 100%
XYZ	53.7398, 80.1439, 41.9090
YIQ	211.4500, -29.7920, -54.8160

Conversions

Conversions Part 2

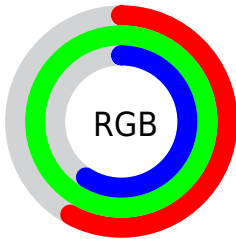
Format	Color
RYB	149, 253, 255
Decimal	9830295
CIELab	91.75, -50.99, 40.29
CIELCh	92, 64.986, 141.683
Yxy	80.1439, 0.3057, 0.4559
Android (android.graphics.Color)	4288020375 (0xFF95FF97)
YUV	211.4500, -29.8018, -54.7686
Hunter-Lab	89.5231, -49.5137, 34.9104

Details

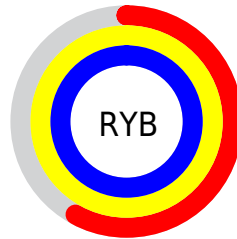
The Yxy color **80.1439, 0.3057, 0.4559** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.8491, 0.3191, 0.2282**, and the grayscale version is **65.6699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2416, 0.3108, 0.3819**, and **43.4942, 0.3010, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **77.2737, 0.3039, 0.4917**, and if you desaturate by 10%, it is **83.7117, 0.3075, 0.4209**.

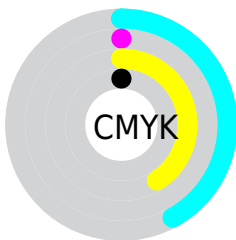
Distribution



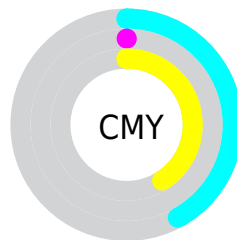
- Red (58%)
- Green (100%)
- Blue (59%)



- Red (58%)
- Yellow (99%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1439, 0.3057, 0.4559 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 80.1439, 0.3057, 0.4559 by changing the saturation by 10% instead.


 80.1439, 0.3057,
0.4559

 80.1439, 0.3057,
0.4559


495.4177, 0.3114,
0.3942

 59.8368, 0.3037,
0.4705


 133.5680, 0.3082,
0.4340

 43.2871, 0.3009,
0.4889

 167.4538, 0.3090,
0.4256

 30.1104, 0.2968,
0.5123

206.6346, 0.3097,
0.4185

 19.9224, 0.2904,
0.5433

251.4948, 0.3102,
0.4123

 12.3387, 0.2798,
0.5856

302.4189, 0.3106,
0.4069

 6.9748, 0.2611,
0.6453


359.7911, 0.3109,


 3.4463, 0.2353,


0.4022


0.7647


423.9959, 0.3112,
0.3980


 1.3689, 0.0000,
1.0000

 0.1937, 0.0000,
1.0000


 80.1439, 0.3057,
0.4559


 80.1439, 0.3057,
0.4559


 77.2737, 0.3039,
0.4917


 83.7117, 0.3075,
0.4209


 75.0554, 0.3023,
0.5259

 88.0186, 0.3093,
0.3882

 73.4379, 0.3010,
0.5559

 93.1028, 0.3110,
0.3588

 72.3626, 0.3002,
0.5789

 99.0001, 0.3125,
0.3328

■ 71.7590, 0.2999,
0.5934

100.0000, 0.3127,
0.3290

■ 71.5305, 0.2998,
0.5992

Harmonies

Analogous

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



80.1439, 0.3778, 0.4661



80.1439, 0.3057, 0.4559



80.1439, 0.2393, 0.3938

Triad

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



80.1439, 0.3057, 0.4559



80.1439, 0.1965, 0.2198



80.1439, 0.4438, 0.3236

Complementary

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



80.1439, 0.3057, 0.4559



49.8491, 0.3191, 0.2282

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.



80.1439, 0.3827, 0.2728



80.1439, 0.3057, 0.4559



80.1439, 0.2383, 0.2156

Square

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



80.1439, 0.3057, 0.4559



80.1439, 0.1820, 0.2514



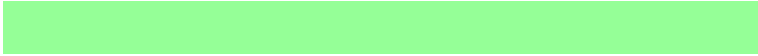
80.1439, 0.3049, 0.2347



80.1439, 0.4628, 0.3794

Rectangle

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



80.1439, 0.3057, 0.4559



80.1439, 0.2072, 0.3392



80.1439, 0.3049, 0.2347



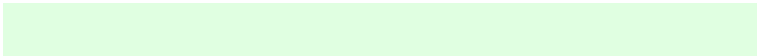
80.1439, 0.4272, 0.3058

Sweetspot

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



80.1440, 0.3057, 0.4559



92.8660, 0.3109, 0.3600



94.6165, 0.3738, 0.4325



19.7263, 0.3107, 0.3636



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.



80.1440, 0.3057, 0.4559



77.6792, 0.3042, 0.4861



82.2585, 0.2797, 0.3898



20.1737, 0.3113, 0.3531



37.3786, 0.2997, 0.5989



3.6413, 0.2989, 0.5961

Inverse Universe

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



49.8491, 0.3191, 0.2282



43.6354, 0.3204, 0.2101



46.9374, 0.3674, 0.2762



18.2942, 0.3141, 0.3060



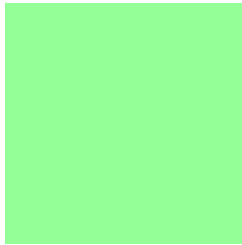
14.7254, 0.3256, 0.1568



1.4356, 0.3251, 0.1564

Previews

White Background



This preview shows how the Yxy color 80.1439, 0.3057, 0.4559 looks on a white background.

Color Contrast Check

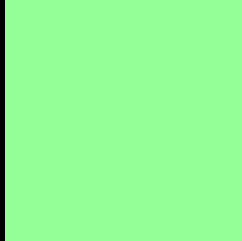
Large Text (above 18pt) WCAG AA × Fail

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 80.1439, 0.3057, 0.4559 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

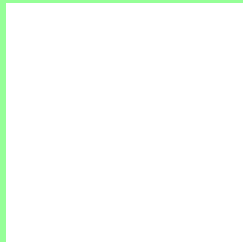
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1439, 0.3057, 0.4559

Background



This preview shows how black text looks on a background with the Yxy color 80.1439, 0.3057, 0.4559.

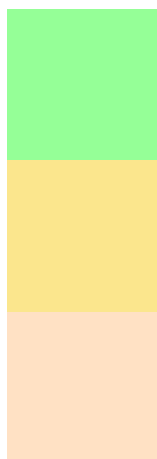


This preview shows how white text looks on a background with the Yxy color 80.1439, 0.3057, 0.4559.

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

80.1439, 0.3057, 0.4559

Protanopia

79.0259, 0.3866, 0.4192

Deuteranopia

79.0959, 0.3542, 0.3586



Tritanopia

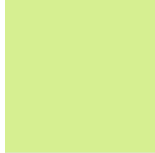
79.3921, 0.2714, 0.3115

Trichromacy



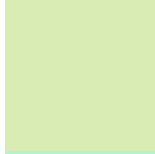
Original Color

80.1439, 0.3057, 0.4559



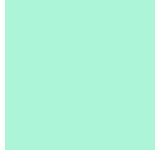
Protanomaly

78.0735, 0.3534, 0.4331



Deuteranomaly

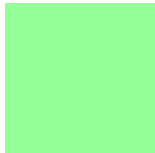
77.8851, 0.3342, 0.3911



Tritanomaly

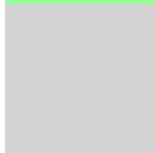
79.1988, 0.2847, 0.3612

Monochromacy



Original Color

80.1439, 0.3057, 0.4559



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3037, 0.3099, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1439, 0.3057, 0.4559 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 255, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 151) }
```

Border

The CSS property to change the border of an element to Yxy 80.1439, 0.3057, 0.4559 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, 151) }
```

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

```
.border{ border-color:rgb(149, 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(149, 255, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 151);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1439, 0.3057, 0.4559 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, 151) }
```

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

```
.background{ background-color: rgb(149,  
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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