

Converting Colors

$Yxy(80.0289, 0.3104, 0.4654)$

Have a look what the booklet for
Yxy(80.0289, 0.3104, 0.4654)
contains.

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Color

Yxy(80.0825, 0.3106, 0.4651)

Conversions

Conversions Part 1

Format	Color
Hex	97FF8F
RGB	151, 255, 143
RGB Percent	59%, 100%, 56%
CMY	0.4078, 0.0000, 0.4392
CMYK	0.41, 0.00, 0.44, 0.00
HSL	116°, 100%, 78%
HSV	116°, 44%, 100%
XYZ	53.4802, 80.0825, 38.6207
YIQ	211.1360, -26.0320, -56.8800

Conversions

Conversions Part 2

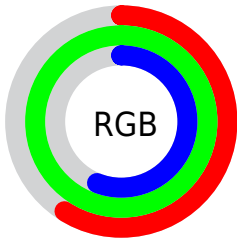
Format	Color
RYB	143, 255, 247
Decimal	9961359
CIELab	91.72, -51.54, 44.15
CIElCh	92, 67.863, 139.412
Yxy	80.0825, 0.3106, 0.4651
Android (android.graphics.Color)	4288151439 (0xFF97FF8F)
YUV	211.1360, -33.5910, -52.7393
Hunter-Lab	89.4888, -49.9306, 37.0544

Details

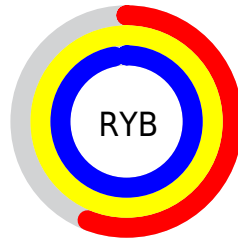
The Yxy color **80.0825, 0.3106, 0.4651** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **46.6342, 0.3109, 0.2190**, and the grayscale version is **65.4747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1525, 0.3166, 0.3906**, and **43.4535, 0.3064, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **77.3532, 0.3093, 0.5005**, and if you desaturate by 10%, it is **83.4425, 0.3116, 0.4298**.

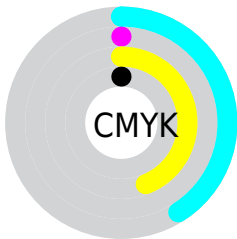
Distribution



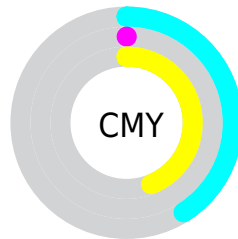
- Red (59%)
- Green (100%)
- Blue (56%)



- Red (56%)
- Yellow (100%)
- Blue (97%)



- Cyan (41%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0825, 0.3106, 0.4651 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 80.0825, 0.3106, 0.4651 by changing the saturation by 10% instead.


 80.0825, 0.3106,
0.4651


 80.0825, 0.3106,
0.4651


495.2108, 0.3145,
0.3990

 59.7862, 0.3089,
0.4807


 133.4817, 0.3126,
0.4417

 43.2464, 0.3064,
0.5003


 167.3535, 0.3132,
0.4327

 30.0785, 0.3024,
0.5252


206.5192, 0.3136,
0.4250

 19.8982, 0.2961,
0.5579

251.3632, 0.3139,
0.4184

 12.3210, 0.2852,
0.6020

302.2700, 0.3141,
0.4126

 6.9627, 0.2657,
0.6640

359.6240, 0.3143,

 3.4388, 0.2325,

0.4075

0.7675

423.8094, 0.3144,
0.4030

■ 1.3649, 0.0000,
1.0000

■ 0.1906, 0.0000,
1.0000

■ 80.0825, 0.3106,
0.4651

■ 80.0825, 0.3106,
0.4651

■ 77.3532, 0.3093,
0.5005

■ 83.4425, 0.3116,
0.4298

■ 75.2148, 0.3077,
0.5337

■ 87.4688, 0.3122,
0.3964

■ 73.6236, 0.3058,
0.5619

■ 92.1950, 0.3126,
0.3659

■ 72.5295, 0.3038,
0.5828

■ 97.6520, 0.3127,
0.3387

■ 71.8731, 0.3020,
0.5952

100.0000, 0.3127,
0.3290

■ 71.6509, 0.3011,
0.5991

Harmonies

Analogous

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



80.0825, 0.3852, 0.4706



80.0825, 0.3106, 0.4651



80.0825, 0.2406, 0.4031

Triad

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



80.0825, 0.3106, 0.4651



80.0825, 0.1900, 0.2169



80.0825, 0.4461, 0.3186

Complementary

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



80.0825, 0.3106, 0.4651



46.6342, 0.3109, 0.2190

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.



80.0825, 0.3797, 0.2670



80.0825, 0.3106, 0.4651



80.0825, 0.2310, 0.2108

Square

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



80.0825, 0.3106, 0.4651



80.0825, 0.1772, 0.2516



80.0825, 0.2984, 0.2289



80.0825, 0.4694, 0.3761

Rectangle

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



80.0825, 0.3106, 0.4651



80.0825, 0.2060, 0.3458



80.0825, 0.2984, 0.2289



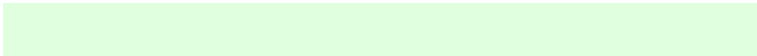
80.0825, 0.4277, 0.3004

Sweetspot

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



80.0826, 0.3106, 0.4651



92.6686, 0.3126, 0.3633



88.9514, 0.3819, 0.4297



19.5952, 0.3125, 0.3697



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

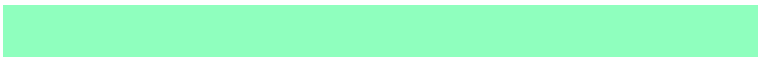
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0826, 0.3106, 0.4651



77.5802, 0.3094, 0.4973



81.0618, 0.2837, 0.4082



20.2302, 0.3126, 0.3535



37.4616, 0.3015, 0.5988



3.6681, 0.3049, 0.5961

Inverse Universe

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



46.6342, 0.3109, 0.2190



40.0891, 0.3100, 0.1988



45.4727, 0.3605, 0.2623



18.2304, 0.3127, 0.3055



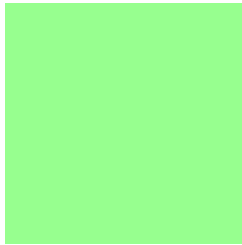
13.1867, 0.3030, 0.1443



1.3029, 0.3052, 0.1455

Previews

White Background



This preview shows how the Yxy color 80.0825, 0.3106, 0.4651 looks on a white background.

Color Contrast Check

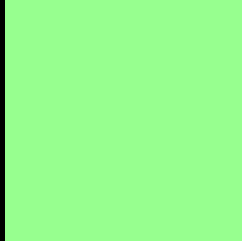
Large Text (above 18pt) WCAG AA × Fail

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 80.0825, 0.3106, 0.4651 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

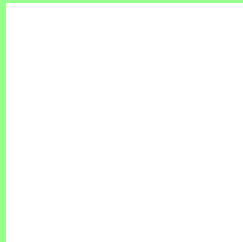
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0825, 0.3106, 0.4651

Background



This preview shows how black text looks on a background with the Yxy color 80.0825, 0.3106, 0.4651.



This preview shows how white text looks on a background with the Yxy color 80.0825, 0.3106, 0.4651.

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

80.0825, 0.3106, 0.4651

Protanopia

79.0103, 0.3917, 0.4254

Deuteranopia

79.0055, 0.3556, 0.3606



Tritanopia

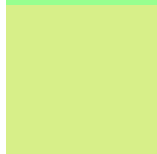
79.5178, 0.2720, 0.3116

Trichromacy



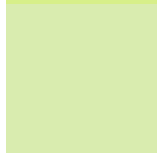
Original Color

80.0825, 0.3106, 0.4651



Protanomaly

77.9862, 0.3587, 0.4412



Deuteranomaly

77.8378, 0.3380, 0.3966



Tritanomaly

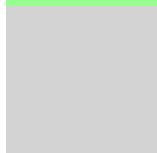
79.1585, 0.2868, 0.3648

Monochromacy



Original Color

80.0825, 0.3106, 0.4651



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.3022, 0.3125, 0.3778

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0825, 0.3106, 0.4651 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(151, 255, 143)` looks like.

```
.text, #text, p{  
    color:rgb(151, 255, 143)  
}
```

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(151, 255, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 255, 143) }
```

Border

The CSS property to change the border of an element to Yxy 80.0825, 0.3106, 0.4651 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(151, 255, 143) }
```

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

```
.border{ border-color:rgb(151, 255, 143) }
```

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

Here you see how a box with a 4 pixel rgb(151, 255, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 255, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 255, 143);  
box-shadow:4px 4px 4px 4px rgb(151, 255,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0825, 0.3106, 0.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 255, 143) }
```

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

```
.background{ background-color: rgb(151,  
255, 143) }
```

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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