

Converting Colors

$Yxy(80.9281, 0.3040, 0.4439)$

Have a look what the booklet for
Yxy(80.9281, 0.3040, 0.4439)
contains.

Yxy(80.9281, 0.3040, 0.4439)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.9281, 0.3040, 0.4439)

Conversions

Conversions Part 1

Format	Color
Hex	9AFFA0
RGB	154, 255, 160
RGB Percent	60%, 100%, 63%
CMY	0.3963, 0.0000, 0.3725
CMYK	0.40, 0.00, 0.37, 0.00
HSL	124°, 100%, 80%
HSV	124°, 40%, 100%
XYZ	55.4227, 80.9281, 45.9607
YIQ	213.9710, -29.7010, -50.9570

Conversions

Conversions Part 2

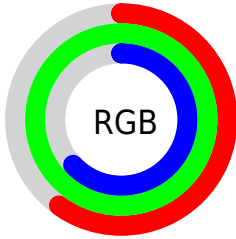
Format	Color
RYB	154, 249, 255
Decimal	10157984
CIELab	92.10, -48.23, 36.35
CIElCh	92, 60.391, 142.992
Yxy	80.9281, 0.3040, 0.4439
Android (android.graphics.Color)	4288348064 (0xFF9AFFA0)
YUV	213.9710, -26.6077, -52.5946
Hunter-Lab	89.9600, -47.4595, 32.6807

Details

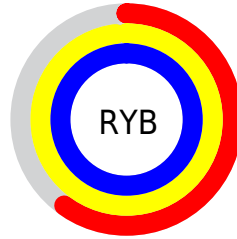
The Yxy color **80.9281, 0.3040, 0.4439** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.1845, 0.3223, 0.2361**, and the grayscale version is **67.4083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4233, 0.3089, 0.3715**, and **43.9911, 0.2996, 0.4745** is the 20% darker color. If you saturate the color by 10%, you get **77.9218, 0.3020, 0.4785**, and if you desaturate by 10%, it is **84.6153, 0.3062, 0.4106**.

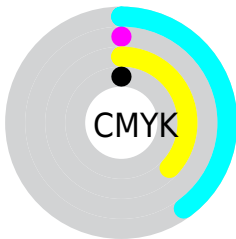
Distribution



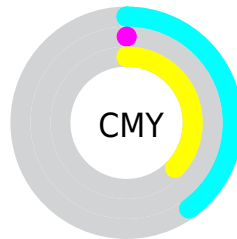
- Red (60%)
- Green (100%)
- Blue (63%)



- Red (60%)
- Yellow (98%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.9281, 0.3040, 0.4439 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 80.9281, 0.3040, 0.4439 by changing the saturation by 10% instead.

 80.9281, 0.3040,
0.4439

 80.9281, 0.3040,
0.4439


498.0551, 0.3100,
0.3883

 60.4824, 0.3021,
0.4571


 134.6698, 0.3065,
0.4242

 43.8076, 0.2995,
0.4736


 168.7346, 0.3074,
0.4167

 30.5193, 0.2957,
0.4947


208.1078, 0.3080,
0.4102

 20.2331, 0.2900,
0.5227

253.1740, 0.3086,
0.4046

 12.5646, 0.2808,
0.5612

304.3174, 0.3090,
0.3998

 7.1294, 0.2647,
0.6163


361.9224, 0.3094,


 3.5432, 0.2446,


0.3955


0.7302


426.3735, 0.3097,
0.3917


 1.4214, 0.0632,
0.9368


 0.2324, 0.0000,
1.0000

 80.9281, 0.3040,
0.4439


 80.9281, 0.3040,
0.4439


 77.9218, 0.3020,
0.4785


 84.6153, 0.3062,
0.4106

 75.5712, 0.3003,
0.5125

 89.0412, 0.3085,
0.3799

 73.8223, 0.2991,
0.5436

 94.2361, 0.3107,
0.3524

 72.6201, 0.2986,
0.5691

100.0000, 0.3127,
0.3290

■ 71.8998, 0.2987,
0.5871

■ 71.5641, 0.2993,
0.5971

■ 71.5554, 0.2993,
0.5973

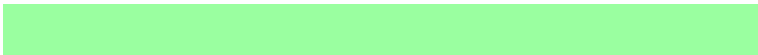
Harmonies

Analogous

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



80.9281, 0.3714, 0.4567



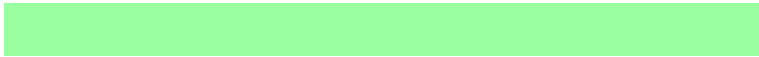
80.9281, 0.3040, 0.4439



80.9281, 0.2425, 0.3856

Triad

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



80.9281, 0.3040, 0.4439



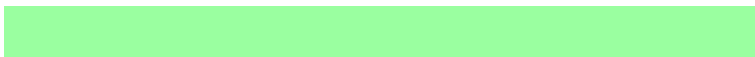
80.9281, 0.2050, 0.2263



80.9281, 0.4358, 0.3270

Complementary

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



80.9281, 0.3040, 0.4439



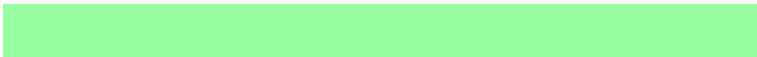
51.1845, 0.3223, 0.2361

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.



80.9281, 0.3807, 0.2786



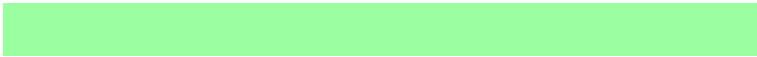
80.9281, 0.3040, 0.4439



80.9281, 0.2458, 0.2230

Square

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



80.9281, 0.3040, 0.4439



80.9281, 0.1902, 0.2553



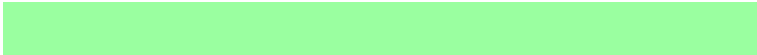
80.9281, 0.3088, 0.2418



80.9281, 0.4520, 0.3796

Rectangle

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



80.9281, 0.3040, 0.4439



80.9281, 0.2128, 0.3357



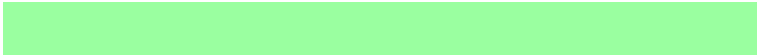
80.9281, 0.3088, 0.2418



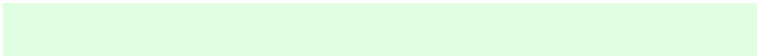
80.9281, 0.4210, 0.3100

Sweetspot

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



80.9220, 0.3040, 0.4439



92.9354, 0.3102, 0.3586



94.1651, 0.3688, 0.4288



19.7424, 0.3099, 0.3621



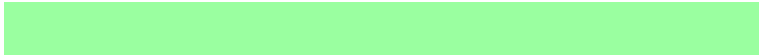
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

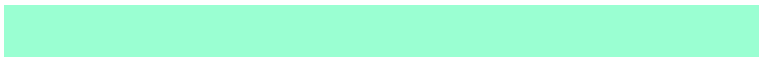
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9220, 0.3040, 0.4439



78.3663, 0.3023, 0.4728



83.0129, 0.2793, 0.3823



20.1859, 0.3107, 0.3521



37.3961, 0.2990, 0.5964



3.6471, 0.2966, 0.5878

Inverse Universe

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



51.1845, 0.3223, 0.2361



44.6808, 0.3245, 0.2182



48.4924, 0.3672, 0.2820



18.2804, 0.3147, 0.3070



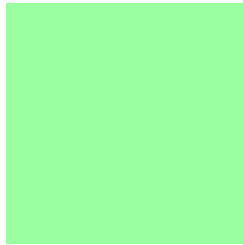
14.3940, 0.3366, 0.1628



1.4070, 0.3347, 0.1617

Previews

White Background



This preview shows how the Yxy color 80.9281, 0.3040, 0.4439 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 80.9281, 0.3040, 0.4439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

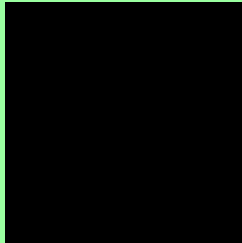
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.9281, 0.3040, 0.4439

Background



This preview shows how black text looks on a background with the Yxy color 80.9281, 0.3040, 0.4439.

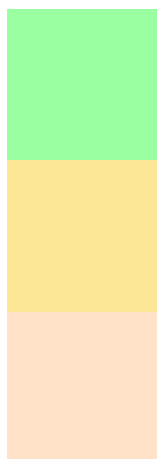


This preview shows how white text looks on a background with the Yxy color 80.9281, 0.3040, 0.4439.

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

80.9281, 0.3040, 0.4439

Protanopia

79.8631, 0.3805, 0.4114

Deuteranopia

79.8228, 0.3512, 0.3554



Tritanopia

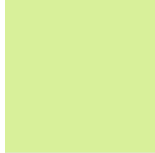
80.4873, 0.2737, 0.3127

Trichromacy



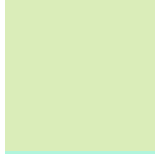
Original Color

80.9281, 0.3040, 0.4439



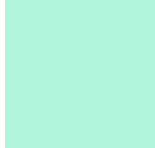
Protanomaly

79.2522, 0.3493, 0.4238



Deuteranomaly

78.9766, 0.3323, 0.3862



Tritanomaly

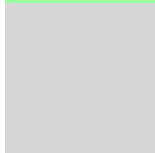
79.8192, 0.2853, 0.3575

Monochromacy



Original Color

80.9281, 0.3040, 0.4439



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.1401, 0.3094, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9281, 0.3040, 0.4439 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(154, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 160)  
}
```

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(154, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 160) }
```

Border

The CSS property to change the border of an element to Yxy 80.9281, 0.3040, 0.4439 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(154, 255, 160) }
```

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

```
.border{ border-color:rgb(154, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9281, 0.3040, 0.4439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 160) }
```

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

```
.background{ background-color: rgb(154,  
255, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor