

Converting Colors

Yxy(81.2055, 0.2984, 0.4313)

Have a look what the booklet for
Yxy(81.2055, 0.2984, 0.4313)
contains.

Yxy(81.1946, 0.2985, 0.4317)	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(81.1946, 0.2985, 0.4317)

Conversions

Conversions Part 1

Format	Color
Hex	99FFAA
RGB	153, 255, 170
RGB Percent	60%, 100%, 67%
CMY	0.4003, 0.0000, 0.3333
CMYK	0.40, 0.00, 0.33, 0.00
HSL	130°, 100%, 80%
HSV	130°, 40%, 100%
XYZ	56.1422, 81.1946, 50.7443
YIQ	214.8120, -33.5070, -48.0590

Conversions

Conversions Part 2

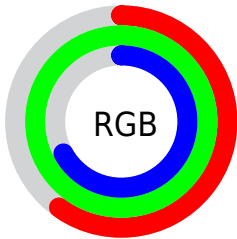
Format	Color
RYB	153, 240, 255
Decimal	10092458
CIELab	92.22, -46.94, 31.52
CIELCh	92, 56.539, 146.116
Yxy	81.1946, 0.2985, 0.4317
Android (android.graphics.Color)	4288282538 (0xFF99FFAA)
YUV	214.8120, -22.0923, -54.2091
Hunter-Lab	90.1080, -46.4739, 29.6865

Details

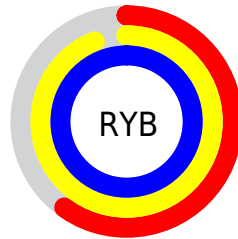
The Yxy color **81.1946, 0.2985, 0.4317** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.1868, 0.3317, 0.2446**, and the grayscale version is **67.9745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8599, 0.3022, 0.3596**, and **44.1593, 0.2933, 0.4588** is the 20% darker color. If you saturate the color by 10%, you get **78.2274, 0.2957, 0.4628**, and if you desaturate by 10%, it is **84.8076, 0.3018, 0.4021**.

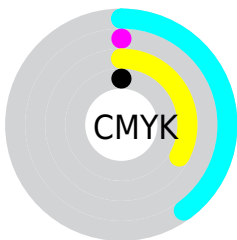
Distribution



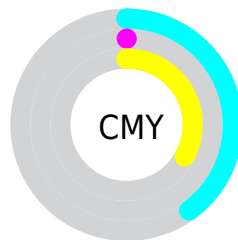
- Red (60%)
- Green (100%)
- Blue (67%)



- Red (60%)
- Yellow (94%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1946, 0.2985, 0.4317 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 81.1946, 0.2985, 0.4317 by changing the saturation by 10% instead.


 81.1946, 0.2985,
0.4317

 81.1946, 0.2985,
0.4317


498.9497, 0.3066,
0.3822

 60.7019, 0.2963,
0.4434


 135.0440, 0.3016,
0.4141

 43.9846, 0.2933,
0.4582


 169.1694, 0.3027,
0.4074

 30.6584, 0.2892,
0.4771


208.6079, 0.3037,
0.4017

 20.3389, 0.2833,
0.5022

253.7438, 0.3044,
0.3967

 12.6416, 0.2742,
0.5370

304.9616, 0.3051,
0.3924

 7.1822, 0.2592,
0.5877


362.6455, 0.3057,


 3.5763, 0.2348,


0.3886

0.6756

427.1801, 0.3062,
0.3852


 1.4395, 0.0885,
0.9115

 0.2456, 0.0000,
1.0000


 81.1946, 0.2985,
0.4317


 81.1946, 0.2985,
0.4317


 78.2274, 0.2957,
0.4628


 84.8076, 0.3018,
0.4021

 75.8868, 0.2938,
0.4943

 89.1243, 0.3054,
0.3750

 74.1210, 0.2928,
0.5244

 94.1718, 0.3091,
0.3506

 72.8789, 0.2931,
0.5510

99.9821, 0.3127,
0.3291

■ 72.1004, 0.2944,
0.5723

100.0000, 0.3127,
0.3290

■ 71.6920, 0.2965,
0.5873

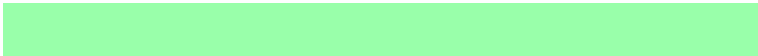
Harmonies

Analogous

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



81.1946, 0.3622, 0.4492



81.1946, 0.2985, 0.4317



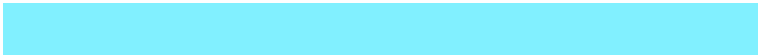
81.1946, 0.2419, 0.3747

Triad

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



81.1946, 0.2985, 0.4317



81.1946, 0.2140, 0.2308



81.1946, 0.4313, 0.3328

Complementary

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



81.1946, 0.2985, 0.4317



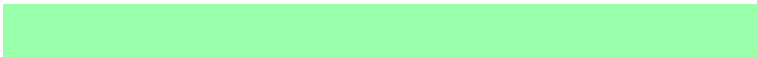
50.1868, 0.3317, 0.2446

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.



81.1946, 0.3829, 0.2860



81.1946, 0.2985, 0.4317



81.1946, 0.2552, 0.2298

Square

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



81.1946, 0.2985, 0.4317



81.1946, 0.1973, 0.2561



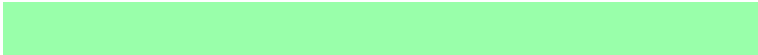
81.1946, 0.3163, 0.2496



81.1946, 0.4426, 0.3827

Rectangle

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



81.1946, 0.2985, 0.4317



81.1946, 0.2154, 0.3286



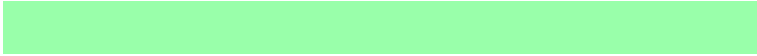
81.1946, 0.3163, 0.2496



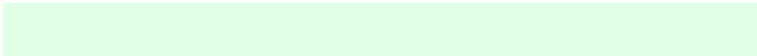
81.1946, 0.4187, 0.3165

Sweetspot

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



81.1876, 0.2985, 0.4317



93.1175, 0.3083, 0.3552



91.9925, 0.3611, 0.4328



19.7849, 0.3079, 0.3583



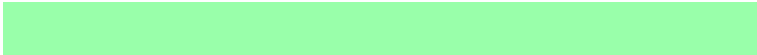
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

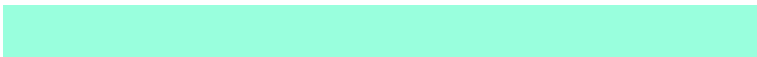
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1876, 0.2985, 0.4317



78.7766, 0.2962, 0.4565



83.5043, 0.2732, 0.3684



20.2177, 0.3093, 0.3494



37.4750, 0.2959, 0.5853



3.6621, 0.2909, 0.5674

Inverse Universe

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



50.1868, 0.3317, 0.2446



43.8962, 0.3365, 0.2290



47.6041, 0.3799, 0.2936



18.2451, 0.3164, 0.3094



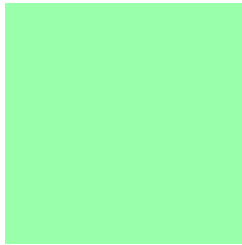
13.6208, 0.3685, 0.1803



1.3394, 0.3621, 0.1768

Previews

White Background



This preview shows how the Yxy color 81.1946, 0.2985, 0.4317 looks on a white background.

Color Contrast Check

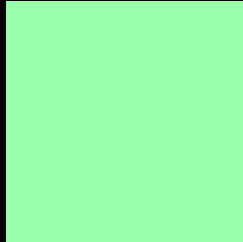
Large Text (above 18pt) WCAG AA × Fail

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 81.1946, 0.2985, 0.4317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

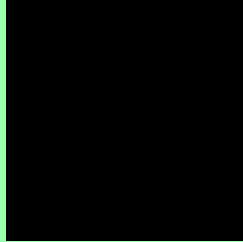
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

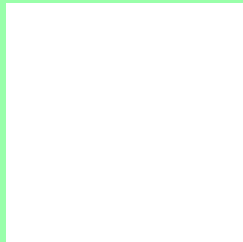
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.1946, 0.2985, 0.4317

Background



This preview shows how black text looks on a background with the Yxy color 81.1946, 0.2985, 0.4317.

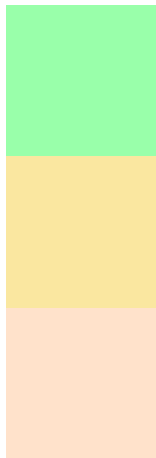


This preview shows how white text looks on a background with the Yxy color 81.1946, 0.2985, 0.4317.

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

81.1946, 0.2985, 0.4317

Protanopia

80.0139, 0.3733, 0.4018

Deuteranopia

79.9645, 0.3491, 0.3524



Tritanopia

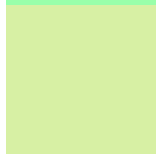
80.4873, 0.2737, 0.3127

Trichromacy



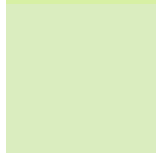
Original Color

81.1946, 0.2985, 0.4317



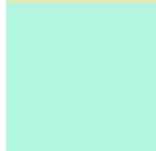
Protanomaly

79.4476, 0.3426, 0.4131



Deuteranomaly

79.2354, 0.3285, 0.3795



Tritanomaly

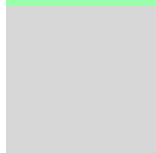
80.0337, 0.2832, 0.3528

Monochromacy



Original Color

81.1946, 0.2985, 0.4317



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.9236, 0.3063, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1946, 0.2985, 0.4317 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(153, 255, 170)` looks like.

```
.text, #text, p{  
    color:rgb(153, 255, 170)  
}
```

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(153, 255, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 170) }
```

Border

The CSS property to change the border of an element to Yxy 81.1946, 0.2985, 0.4317 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(153, 255, 170) }
```

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

```
.border{ border-color:rgb(153, 255, 170) }
```

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

Here you see how a box with a 4 pixel rgb(153, 255, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1946, 0.2985, 0.4317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 170) }
```

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

```
.background{ background-color: rgb(153,  
255, 170) }
```

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