

Converting Colors

Yxy(84.7554, 0.2991, 0.4240)

Have a look what the booklet for
Yxy(84.7554, 0.2991, 0.4240)
contains.

Yxy(82.3114, 0.2989, 0.4205)	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(82.3114, 0.2989, 0.4205)

Conversions

Conversions Part 1

Format	Color
Hex	A1FFB2
RGB	161, 255, 178
RGB Percent	63%, 100%, 70%
CMY	0.3682, 0.0000, 0.3019
CMYK	0.37, 0.00, 0.30, 0.00
HSL	131°, 100%, 82%
HSV	131°, 37%, 100%
XYZ	58.5086, 82.3114, 54.9265
YIQ	218.1160, -31.3070, -43.8750

Conversions

Conversions Part 2

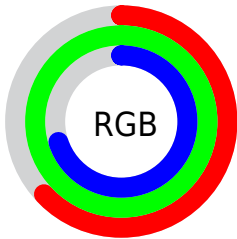
Format	Color
RYB	161, 241, 255
Decimal	10616754
CIELab	92.71, -43.25, 28.22
CIELCh	93, 51.647, 146.873
Yxy	82.3114, 0.2989, 0.4205
Android (android.graphics.Color)	4288806834 (0xFFA1FFB2)
YUV	218.1160, -19.7772, -50.0907
Hunter-Lab	90.7256, -43.6559, 27.6130

Details

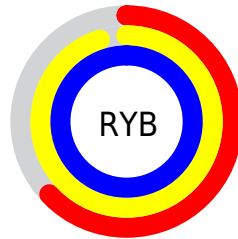
The Yxy color **82.3114, 0.2989, 0.4205** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.9593, 0.3308, 0.2523**, and the grayscale version is **70.3669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3659, 0.3020, 0.3507**, and **44.8721, 0.2940, 0.4439** is the 20% darker color. If you saturate the color by 10%, you get **79.1515, 0.2958, 0.4508**, and if you desaturate by 10%, it is **86.1465, 0.3025, 0.3921**.

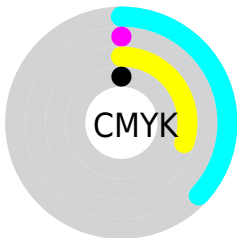
Distribution



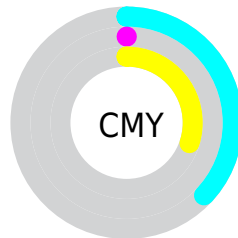
- Red (63%)
- Green (100%)
- Blue (70%)



- Red (63%)
- Yellow (95%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.3114, 0.2989, 0.4205 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 82.3114, 0.2989, 0.4205 by changing the saturation by 10% instead.

 82.3114, 0.2989,
0.4205

 82.3114, 0.2989,
0.4205


502.6887, 0.3065,
0.3767

 61.6222, 0.2969,
0.4308


 136.6106, 0.3018,
0.4050

 44.7275, 0.2942,
0.4438


 170.9894, 0.3028,
0.3991

 31.2429, 0.2906,
0.4603

210.7003, 0.3037,
0.3940

 20.7839, 0.2855,
0.4823

256.1276, 0.3044,
0.3896

 12.9661, 0.2778,
0.5128

307.6557, 0.3050,
0.3857

 7.4052, 0.2651,
0.5573


365.6690, 0.3056,


 3.7168, 0.2427,


0.3824


0.6281


430.5518, 0.3060,
0.3793

 1.5164, 0.1567,
0.8433


 0.3002, 0.0000,
1.0000


 82.3114, 0.2989,
0.4205


 82.3114, 0.2989,
0.4205


 79.1515, 0.2958,
0.4508


 86.1465, 0.3025,
0.3921

 76.6175, 0.2935,
0.4820

 90.6820, 0.3063,
0.3662

 74.6701, 0.2922,
0.5124

 95.9545, 0.3101,
0.3432

 73.2609, 0.2921,
0.5403

99.9930, 0.3127,
0.3290

■ 72.3337, 0.2932,
0.5637

■ 71.8184, 0.2953,
0.5812

■ 71.7096, 0.2960,
0.5855

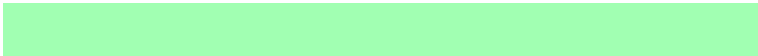
Harmonies

Analogous

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



82.3114, 0.3572, 0.4381



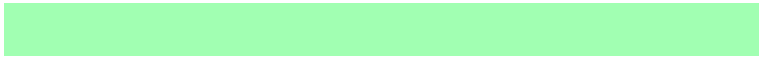
82.3114, 0.2989, 0.4205



82.3114, 0.2472, 0.3689

Triad

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



82.3114, 0.2989, 0.4205



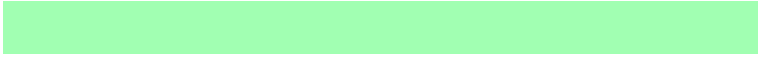
82.3114, 0.2227, 0.2386



82.3114, 0.4212, 0.3345

Complementary

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



82.3114, 0.2989, 0.4205



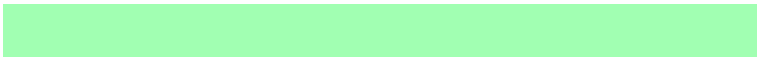
52.9593, 0.3308, 0.2523

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.



82.3114, 0.3781, 0.2908



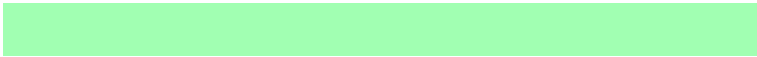
82.3114, 0.2989, 0.4205



82.3114, 0.2615, 0.2378

Square

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



82.3114, 0.2989, 0.4205



82.3114, 0.2066, 0.2619



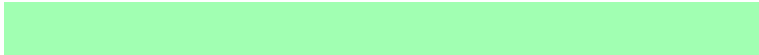
82.3114, 0.3178, 0.2566



82.3114, 0.4310, 0.3805

Rectangle

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



82.3114, 0.2989, 0.4205



82.3114, 0.2229, 0.3277



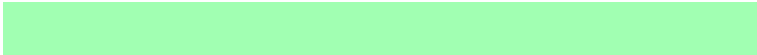
82.3114, 0.3178, 0.2566



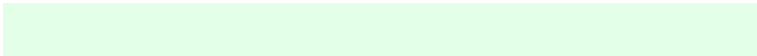
82.3114, 0.4100, 0.3193

Sweetspot

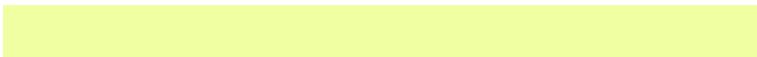
The Sweet Spot groups the original color and five complimentary colors.



82.3148, 0.2989, 0.4205



93.6691, 0.3085, 0.3525



92.4996, 0.3575, 0.4245



19.8957, 0.3080, 0.3556



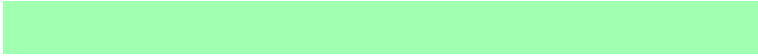
0.0000, 0.0000, 0.0000



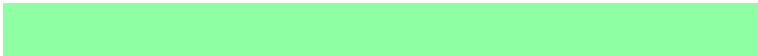
21.4041, 0.3127, 0.3290

Same Dimension

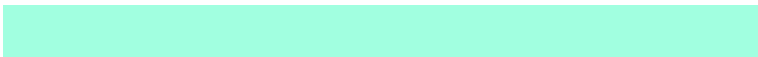
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3148, 0.2989, 0.4205



79.9864, 0.2966, 0.4421



84.4653, 0.2759, 0.3647



20.2216, 0.3091, 0.3491



37.4888, 0.2954, 0.5835



3.6640, 0.2903, 0.5649

Inverse Universe

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



52.9593, 0.3308, 0.2523



46.8310, 0.3353, 0.2379



50.6050, 0.3724, 0.2965



18.2409, 0.3166, 0.3097



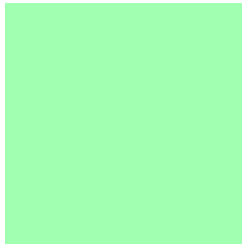
13.5364, 0.3726, 0.1826



1.3320, 0.3656, 0.1788

Previews

White Background



This preview shows how the Yxy color 82.3114, 0.2989, 0.4205 looks on a white background.

Color Contrast Check

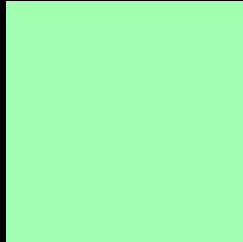
Large Text (above 18pt) WCAG AA × Fail

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 82.3114, 0.2989, 0.4205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

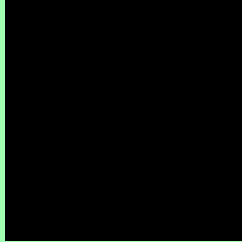
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

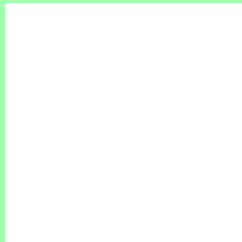
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3114, 0.2989, 0.4205

Background



This preview shows how black text looks on a background with the Yxy color 82.3114, 0.2989, 0.4205.

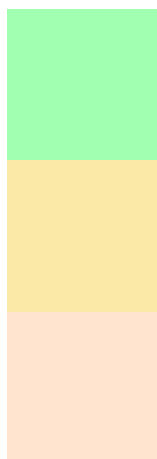


This preview shows how white text looks on a background with the Yxy color 82.3114, 0.2989, 0.4205.

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

82.3114, 0.2989, 0.4205

Protanopia

81.6142, 0.3682, 0.3954

Deuteranopia

81.3009, 0.3452, 0.3492



Tritanopia

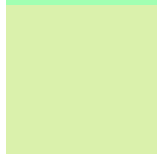
82.0009, 0.2777, 0.3140

Trichromacy



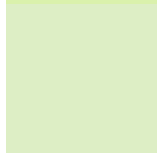
Original Color

82.3114, 0.2989, 0.4205



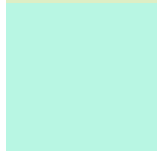
Protanomaly

80.7946, 0.3397, 0.4047



Deuteranomaly

80.5524, 0.3267, 0.3735



Tritanomaly

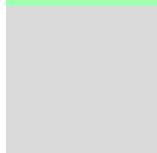
81.6479, 0.2856, 0.3502

Monochromacy



Original Color

82.3114, 0.2989, 0.4205



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

73.3339, 0.3072, 0.3611

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3114, 0.2989, 0.4205 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(161, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 178)  
}
```

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(161, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 178) }
```

Border

The CSS property to change the border of an element to Yxy 82.3114, 0.2989, 0.4205 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(161, 255, 178) }
```

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

```
.border{ border-color:rgb(161, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(161, 255,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3114, 0.2989, 0.4205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 178) }
```

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

```
.background{ background-color: rgb(161,  
255, 178) }
```

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