

Converting Colors

Yxy(81.3413, 0.3111, 0.4511)

Have a look what the booklet for
Yxy(81.3413, 0.3111, 0.4511)
contains.

Yxy(81.2935, 0.3108, 0.4512)	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(81.2935, 0.3108, 0.4512)

Conversions

Conversions Part 1

Format	Color
Hex	A0FF99
RGB	160, 255, 153
RGB Percent	63%, 100%, 60%
CMY	0.3728, 0.0000, 0.4000
CMYK	0.37, 0.00, 0.40, 0.00
HSL	116°, 100%, 80%
HSV	116°, 40%, 100%
XYZ	55.9974, 81.2935, 42.8809
YIQ	214.9670, -23.8780, -51.8620

Conversions

Conversions Part 2

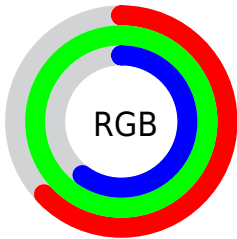
Format	Color
RYB	153, 255, 248
Decimal	10551193
CIELab	92.26, -47.49, 40.06
CIElCh	92, 62.127, 139.849
Yxy	81.2935, 0.3108, 0.4512
Android (android.graphics.Color)	4288741273 (0xFFA0FF99)
YUV	214.9670, -30.5497, -48.2061
Hunter-Lab	90.1629, -46.9243, 34.9161

Details

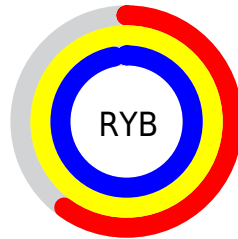
The Yxy color **81.2935, 0.3108, 0.4512** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.9776, 0.3116, 0.2284**, and the grayscale version is **68.1402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9795, 0.3166, 0.3787**, and **44.1918, 0.3074, 0.4836** is the 20% darker color. If you saturate the color by 10%, you get **78.3135, 0.3096, 0.4868**, and if you desaturate by 10%, it is **84.9085, 0.3117, 0.4165**.

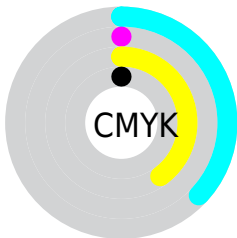
Distribution



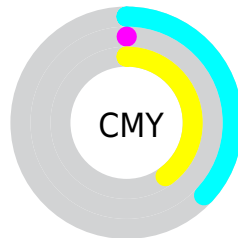
- Red (63%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (97%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.2935, 0.3108, 0.4512 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 81.2935, 0.3108, 0.4512 by changing the saturation by 10% instead.


 81.2935, 0.3108,
0.4512

 81.2935, 0.3108,
0.4512


499.2814, 0.3140,
0.3922

 60.7834, 0.3094,
0.4651


 135.1828, 0.3124,
0.4303

 44.0503, 0.3074,
0.4825


 169.3307, 0.3129,
0.4223

 30.7101, 0.3043,
0.5047


208.7934, 0.3132,
0.4155

 20.3782, 0.2993,
0.5339

253.9552, 0.3135,
0.4095

 12.6703, 0.2907,
0.5736

305.2005, 0.3137,
0.4044

 7.2019, 0.2750,
0.6295


362.9137, 0.3138,


 3.5887, 0.2555,


0.3998


0.7445


427.4792, 0.3139,
0.3958


 1.4462, 0.0831,
0.9169


 0.2504, 0.0000,
1.0000


 81.2935, 0.3108,
0.4512

 81.2935, 0.3108,
0.4512


 78.3135, 0.3096,
0.4868

 84.9085, 0.3117,
0.4165

 75.9501, 0.3081,
0.5212

 89.2137, 0.3122,
0.3841

 74.1542, 0.3063,
0.5518

 94.2350, 0.3126,
0.3549

 72.8779, 0.3044,
0.5758

100.0000, 0.3127,
0.3290

■ 72.0655, 0.3025,
0.5915

■ 71.6421, 0.3011,
0.5992

■ 71.6420, 0.3011,
0.5992

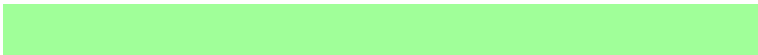
Harmonies

Analogous

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



81.2935, 0.3795, 0.4587



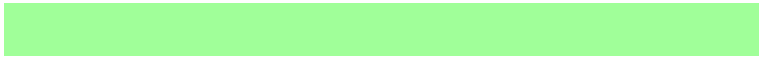
81.2935, 0.3108, 0.4512



81.2935, 0.2463, 0.3950

Triad

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



81.2935, 0.3108, 0.4512



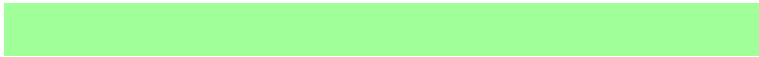
81.2935, 0.1997, 0.2256



81.2935, 0.4349, 0.3211

Complementary

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



81.2935, 0.3108, 0.4512



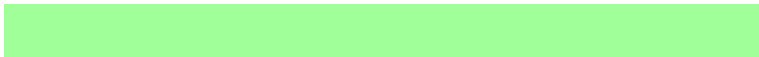
49.9776, 0.3116, 0.2284

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.



81.2935, 0.3750, 0.2727



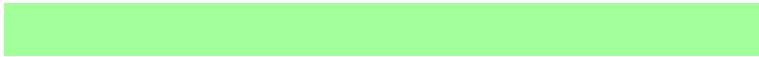
81.2935, 0.3108, 0.4512



81.2935, 0.2385, 0.2198

Square

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



81.2935, 0.3108, 0.4512



81.2935, 0.1874, 0.2580



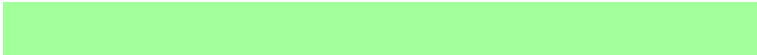
81.2935, 0.3011, 0.2368



81.2935, 0.4561, 0.3748

Rectangle

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



81.2935, 0.3108, 0.4512



81.2935, 0.2143, 0.3438



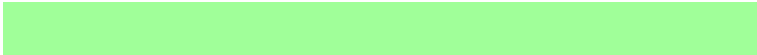
81.2935, 0.3011, 0.2368



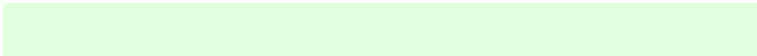
81.2935, 0.4183, 0.3040

Sweetspot

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



81.2869, 0.3108, 0.4512



93.1694, 0.3125, 0.3604



89.7771, 0.3758, 0.4212



19.7969, 0.3125, 0.3642



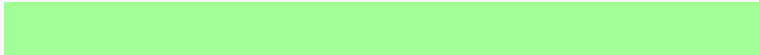
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

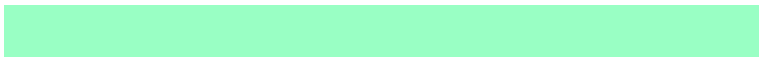
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2869, 0.3108, 0.4512



78.8568, 0.3099, 0.4797



82.2566, 0.2858, 0.3997



20.2270, 0.3126, 0.3535



37.4561, 0.3014, 0.5989



3.6666, 0.3047, 0.5963

Inverse Universe

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



49.9776, 0.3116, 0.2284



43.6045, 0.3110, 0.2098



48.8255, 0.3547, 0.2682



18.2339, 0.3127, 0.3055



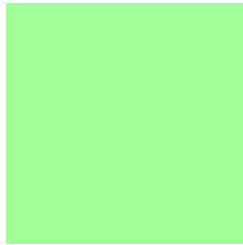
13.2700, 0.3039, 0.1448



1.3102, 0.3060, 0.1459

Previews

White Background



This preview shows how the Yxy color 81.2935, 0.3108, 0.4512 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 81.2935, 0.3108, 0.4512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

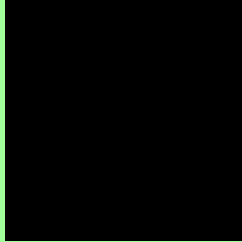
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

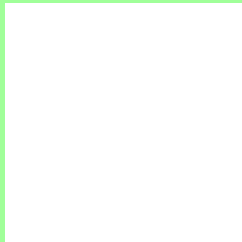
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.2935, 0.3108, 0.4512

Background



This preview shows how black text looks on a background with the Yxy color 81.2935, 0.3108, 0.4512.

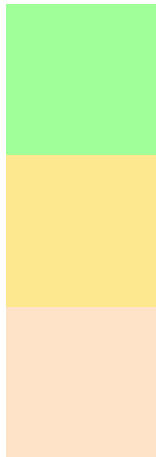


This preview shows how white text looks on a background with the Yxy color 81.2935, 0.3108, 0.4512.

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

81.2935, 0.3108, 0.4512

Protanopia

80.6095, 0.3854, 0.4176

Deuteranopia

80.3683, 0.3509, 0.3564



Tritanopia

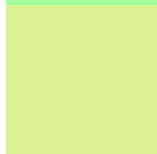
81.0095, 0.2760, 0.3128

Trichromacy



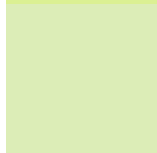
Original Color

81.2935, 0.3108, 0.4512



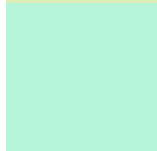
Protanomaly

79.4868, 0.3556, 0.4306



Deuteranomaly

79.2029, 0.3350, 0.3882



Tritanomaly

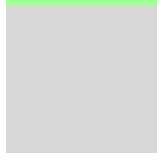
80.3119, 0.2892, 0.3596

Monochromacy



Original Color

81.2935, 0.3108, 0.4512



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

72.0015, 0.3127, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.2935, 0.3108, 0.4512 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(160, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 153)  
}
```

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(160, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 81.2935, 0.3108, 0.4512 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(160, 255, 153) }
```

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

```
.border{ border-color:rgb(160, 255, 153) }
```

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

Here you see how a box with a 4 pixel rgb(160, 255, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 81.2935, 0.3108, 0.4512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 153) }
```

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

```
.background{ background-color: rgb(160,  
255, 153) }
```

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