

Converting Colors

Yxy(80.9322, 0.3106, 0.4548)

Have a look what the booklet for
Yxy(80.9322, 0.3106, 0.4548)
contains.

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Color

Yxy(80.8901, 0.3106, 0.4554)

Conversions

Conversions Part 1

Format	Color
Hex	9DFF96
RGB	157, 255, 150
RGB Percent	62%, 100%, 59%
CMY	0.3843, 0.0000, 0.4117
CMYK	0.38, 0.00, 0.41, 0.00
HSL	116°, 100%, 79%
HSV	116°, 41%, 100%
XYZ	55.1701, 80.8901, 41.5641
YIQ	213.7280, -24.7030, -53.4310

Conversions

Conversions Part 2

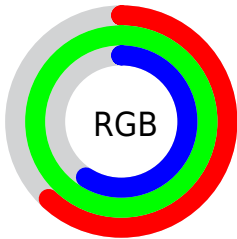
Format	Color
RYB	150, 255, 248
Decimal	10354582
CIELab	92.08, -48.79, 41.27
CIELCh	92, 63.900, 139.774
Yxy	80.8901, 0.3106, 0.4554
Android (android.graphics.Color)	4288544662 (0xFF9DFF96)
YUV	213.7280, -31.4179, -49.7505
Hunter-Lab	89.9389, -47.8981, 35.5572

Details

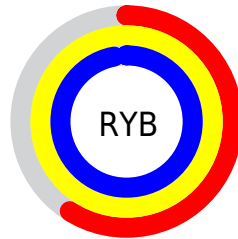
The Yxy color **80.8901, 0.3106, 0.4554** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **48.9959, 0.3116, 0.2256**, and the grayscale version is **67.2806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3749, 0.3164, 0.3822**, and **43.9606, 0.3071, 0.4890** is the 20% darker color. If you saturate the color by 10%, you get **77.9908, 0.3094, 0.4910**, and if you desaturate by 10%, it is **84.4353, 0.3115, 0.4205**.

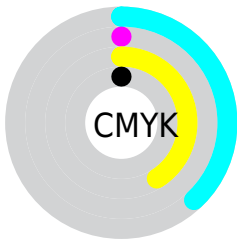
Distribution



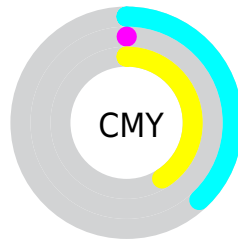
- Red (62%)
- Green (100%)
- Blue (59%)



- Red (59%)
- Yellow (100%)
- Blue (97%)



- Cyan (38%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)




- Cyan (38%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8901, 0.3106, 0.4554 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 80.8901, 0.3106, 0.4554 by changing the saturation by 10% instead.

 80.8901, 0.3106,
0.4554

 80.8901, 0.3106,
0.4554


497.9275, 0.3141,
0.3942

 60.4511, 0.3091,
0.4698


 134.6164, 0.3123,
0.4337

 43.7823, 0.3069,
0.4879


 168.6726, 0.3129,
0.4254

 30.4994, 0.3036,
0.5109


208.0365, 0.3132,
0.4183

 20.2180, 0.2981,
0.5412

253.0927, 0.3135,
0.4122

 12.5536, 0.2889,
0.5823

304.2255, 0.3137,
0.4069

 7.1219, 0.2719,
0.6399


361.8193, 0.3139,


 3.5384, 0.2481,


0.4021


0.7519


426.2585, 0.3140,
0.3980


 1.4189, 0.0536,
0.9464

 0.2306, 0.0000,
1.0000


 80.8901, 0.3106,
0.4554


 80.8901, 0.3106,
0.4554


 77.9908, 0.3094,
0.4910

 84.4353, 0.3115,
0.4205


 75.6973, 0.3078,
0.5251

 88.6608, 0.3121,
0.3878

 73.9669, 0.3060,
0.5550

 93.6001, 0.3125,
0.3581

 72.7508, 0.3041,
0.5781

 99.2842, 0.3127,
0.3319

■ 71.9917, 0.3023,
0.5928

100.0000, 0.3127,
0.3290

■ 71.6389, 0.3010,
0.5992

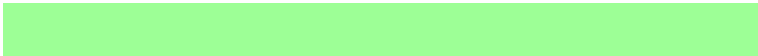
Harmonies

Analogous

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



80.8901, 0.3811, 0.4624



80.8901, 0.3106, 0.4554



80.8901, 0.2444, 0.3973

Triad

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



80.8901, 0.3106, 0.4554



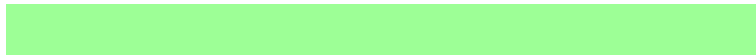
80.8901, 0.1967, 0.2228



80.8901, 0.4385, 0.3205

Complementary

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



80.8901, 0.3106, 0.4554



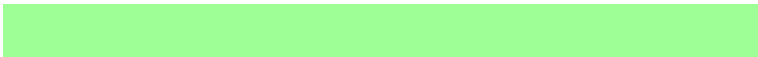
48.9959, 0.3116, 0.2256

Split Complementary

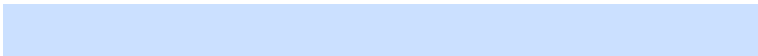
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.8901, 0.3766, 0.2710



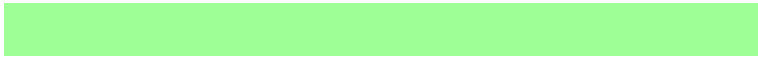
80.8901, 0.3106, 0.4554



80.8901, 0.2363, 0.2170

Square

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



80.8901, 0.3106, 0.4554



80.8901, 0.1842, 0.2559



80.8901, 0.3004, 0.2344



80.8901, 0.4602, 0.3754

Rectangle

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



80.8901, 0.3106, 0.4554



80.8901, 0.2116, 0.3442



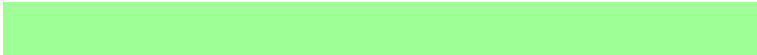
80.8901, 0.3004, 0.2344



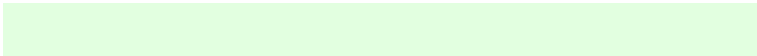
80.8901, 0.4213, 0.3030

Sweetspot

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



80.8905, 0.3106, 0.4554



93.1629, 0.3125, 0.3604



90.5978, 0.3770, 0.4253



19.7954, 0.3125, 0.3642



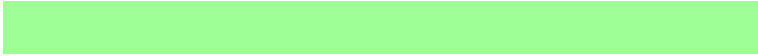
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

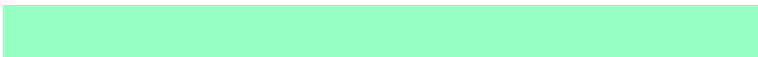
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.8905, 0.3106, 0.4554



78.5675, 0.3097, 0.4833



81.9684, 0.2843, 0.4000



20.2258, 0.3126, 0.3535



37.4542, 0.3014, 0.5989



3.6660, 0.3046, 0.5964

Inverse Universe

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



48.9959, 0.3116, 0.2256



42.9156, 0.3110, 0.2076



47.7055, 0.3581, 0.2681



18.2352, 0.3127, 0.3055



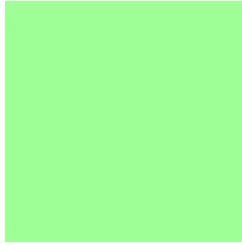
13.2996, 0.3042, 0.1450



1.3127, 0.3063, 0.1461

Previews

White Background



This preview shows how the Yxy color 80.8901, 0.3106, 0.4554 looks on a white background.

Color Contrast Check

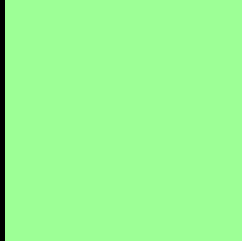
Large Text (above 18pt) WCAG AA × Fail

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 80.8901, 0.3106, 0.4554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

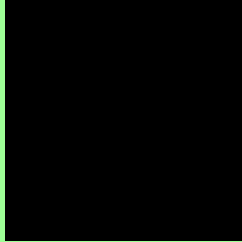
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

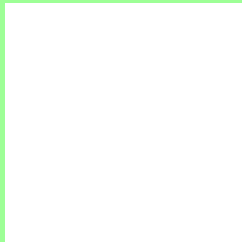
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8901, 0.3106, 0.4554

Background



This preview shows how black text looks on a background with the Yxy color 80.8901, 0.3106, 0.4554.

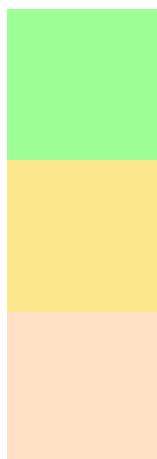


This preview shows how white text looks on a background with the Yxy color 80.8901, 0.3106, 0.4554.

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

80.8901, 0.3106, 0.4554

Protanopia

79.7704, 0.3870, 0.4198

Deuteranopia

79.7299, 0.3525, 0.3575



Tritanopia

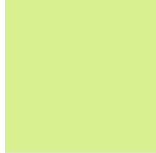
80.6165, 0.2743, 0.3128

Trichromacy



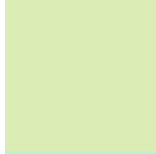
Original Color

80.8901, 0.3106, 0.4554



Protanomaly

79.0855, 0.3558, 0.4342



Deuteranomaly

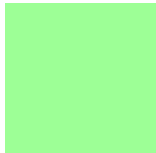
78.9646, 0.3355, 0.3906



Tritanomaly

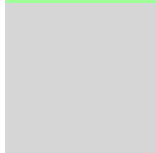
79.8983, 0.2881, 0.3609

Monochromacy



Original Color

80.8901, 0.3106, 0.4554



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.1377, 0.3120, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8901, 0.3106, 0.4554 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(157, 255, 150)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 150)  
}
```

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(157, 255, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 150) }
```

Border

The CSS property to change the border of an element to Yxy 80.8901, 0.3106, 0.4554 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(157, 255, 150) }
```

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

```
.border{ border-color:rgb(157, 255, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 255, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 150);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8901, 0.3106, 0.4554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 150) }
```

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

```
.background{ background-color: rgb(157,  
255, 150) }
```

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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