

Converting Colors

Yxy(80.6746, 0.3101, 0.4428)

Have a look what the booklet for
Yxy(80.6746, 0.3101, 0.4428)
contains.

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Color

Yxy(80.5057, 0.3102, 0.4428)

Conversions

Conversions Part 1

Format	Color
Hex	A3FD9E
RGB	163, 253, 158
RGB Percent	64%, 99%, 62%
CMY	0.3608, 0.0078, 0.3804
CMYK	0.36, 0.00, 0.38, 0.01
HSL	117°, 96%, 81%
HSV	117°, 38%, 99%
XYZ	56.3976, 80.5057, 44.9072
YIQ	215.2600, -23.1450, -48.6250

Conversions

Conversions Part 2

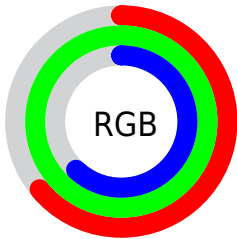
Format	Color
RYB	158, 253, 248
Decimal	10747294
CIELab	91.91, -44.98, 37.18
CIElCh	92, 58.357, 140.421
Yxy	80.5057, 0.3102, 0.4428
Android (android.graphics.Color)	4288937374 (0xFFA3FD9E)
YUV	215.2600, -28.2292, -45.8320
Hunter-Lab	89.7250, -44.8205, 33.1329

Details

The Yxy color **80.5057, 0.3102, 0.4428** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **51.4998, 0.3130, 0.2347**, and the grayscale version is **68.3460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6962, 0.3156, 0.3730**, and **43.6256, 0.3073, 0.4728** is the 20% darker color. If you saturate the color by 10%, you get **77.4310, 0.3089, 0.4785**, and if you desaturate by 10%, it is **84.2460, 0.3112, 0.4084**.

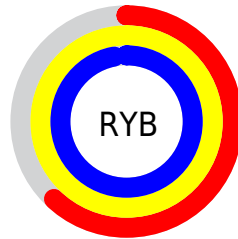
Distribution



Red (64%)

Green (99%)

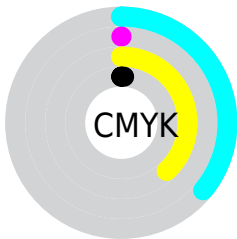
Blue (62%)



Red (62%)

Yellow (99%)

Blue (97%)

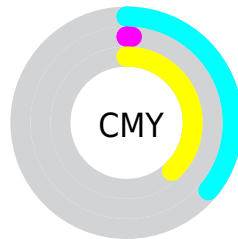


Cyan (36%)

Magenta (0%)

Yellow (38%)

Black (1%)



Cyan (36%)


Magenta (1%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.5057, 0.3102, 0.4428 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 80.5057, 0.3102, 0.4428 by changing the saturation by 10% instead.


 80.5057, 0.3102,
0.4428

 80.5057, 0.3102,
0.4428


496.6354, 0.3134,
0.3879

 60.1346, 0.3089,
0.4558

 134.0765, 0.3117,
0.4234

 43.5271, 0.3071,
0.4720


 168.0449, 0.3122,
0.4159

 30.2989, 0.3043,
0.4928


207.3146, 0.3125,
0.4095

 20.0656, 0.2998,
0.5202

252.2700, 0.3128,
0.4040

 12.4427, 0.2921,
0.5578

303.2953, 0.3130,
0.3992

 7.0459, 0.2781,
0.6113


360.7751, 0.3132,


 3.4909, 0.2634,


0.3950


0.7279


425.0937, 0.3133,
0.3912


 1.3930, 0.1003,
0.8997


 0.2116, 0.0000,
1.0000


 80.5057, 0.3102,
0.4428


 80.5057, 0.3102,
0.4428


 77.4310, 0.3089,
0.4785

 84.2460, 0.3112,
0.4084

 74.9735, 0.3074,
0.5136

 88.6769, 0.3119,
0.3767

 73.0944, 0.3057,
0.5454

 93.8344, 0.3124,
0.3482

 71.7462, 0.3040,
0.5712

 98.7359, 0.3128,
0.3271

■ 70.8740, 0.3023,
0.5889

■ 70.4096, 0.3009,
0.5980

■ 70.3439, 0.3008,
0.5994

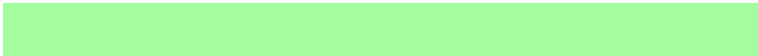
Harmonies

Analogous

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



80.5057, 0.3753, 0.4516



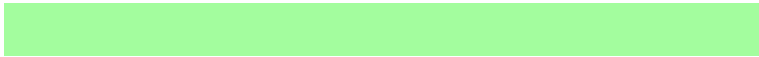
80.5057, 0.3102, 0.4428



80.5057, 0.2492, 0.3896

Triad

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



80.5057, 0.3102, 0.4428



80.5057, 0.2058, 0.2306



80.5057, 0.4286, 0.3230

Complementary

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



80.5057, 0.3102, 0.4428



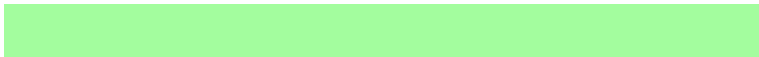
51.4998, 0.3130, 0.2347

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.



80.5057, 0.3729, 0.2765



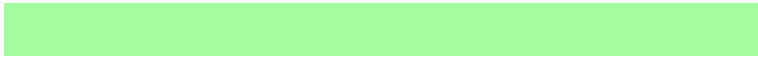
80.5057, 0.3102, 0.4428



80.5057, 0.2434, 0.2252

Square

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



80.5057, 0.3102, 0.4428



80.5057, 0.1935, 0.2614



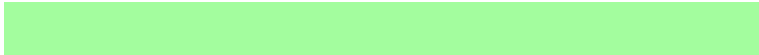
80.5057, 0.3032, 0.2419



80.5057, 0.4481, 0.3743

Rectangle

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



80.5057, 0.3102, 0.4428



80.5057, 0.2189, 0.3419



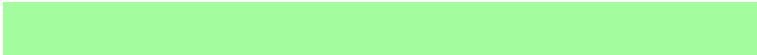
80.5057, 0.3032, 0.2419



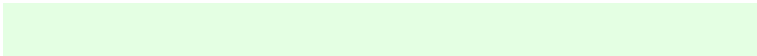
80.5057, 0.4132, 0.3066

Sweetspot

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



80.5091, 0.3102, 0.4428



93.6270, 0.3123, 0.3577



89.6746, 0.3714, 0.4172



19.8857, 0.3122, 0.3615



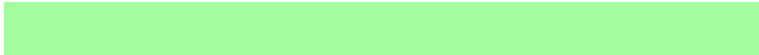
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

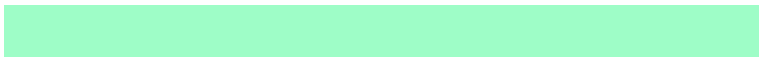
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5091, 0.3102, 0.4428



79.5581, 0.3093, 0.4694



81.6548, 0.2864, 0.3926



20.2137, 0.3124, 0.3535



37.4357, 0.3011, 0.5991



3.6603, 0.3036, 0.5971

Inverse Universe

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



51.4998, 0.3130, 0.2347



46.1823, 0.3127, 0.2171



50.0784, 0.3528, 0.2735



18.2488, 0.3130, 0.3055



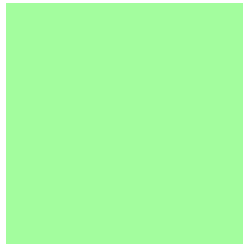
13.6192, 0.3078, 0.1469



1.3404, 0.3093, 0.1478

Previews

White Background



This preview shows how the Yxy color 80.5057, 0.3102, 0.4428 looks on a white background.

Color Contrast Check

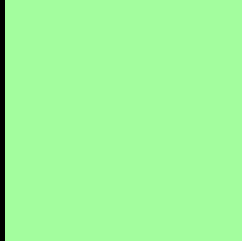
Large Text (above 18pt) WCAG AA × Fail

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 80.5057, 0.3102, 0.4428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

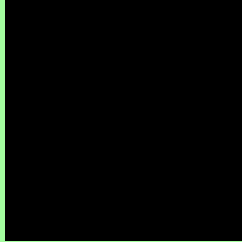
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

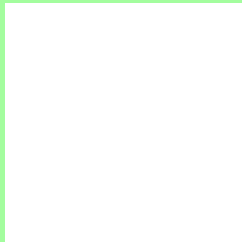
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.5057, 0.3102, 0.4428

Background



This preview shows how black text looks on a background with the Yxy color 80.5057, 0.3102, 0.4428.

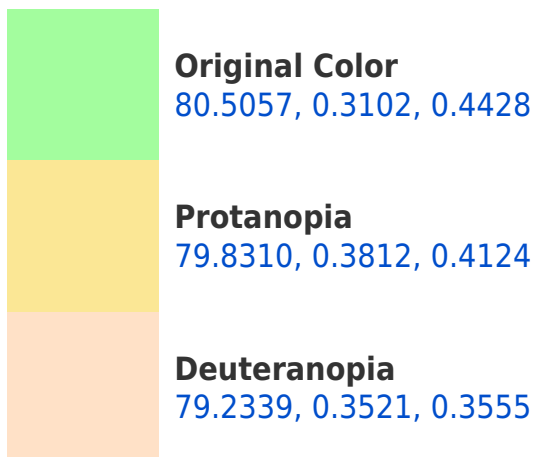


This preview shows how white text looks on a background with the Yxy color 80.5057, 0.3102, 0.4428.

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





Tritanopia

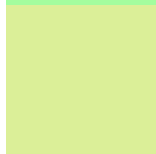
80.1595, 0.2747, 0.3117

Trichromacy



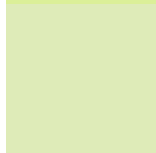
Original Color

80.5057, 0.3102, 0.4428



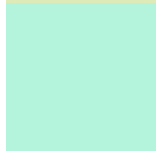
Protanomaly

79.0601, 0.3529, 0.4244



Deuteranomaly

78.4069, 0.3361, 0.3848



Tritanomaly

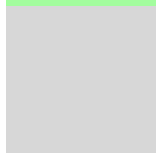
79.6924, 0.2875, 0.3562

Monochromacy



Original Color

80.5057, 0.3102, 0.4428



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.6694, 0.3122, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.5057, 0.3102, 0.4428 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(163, 253, 158)` looks like.

```
.text, #text, p{  
    color:rgb(163, 253, 158)  
}
```

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(163, 253, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 253, 158) }
```

Border

The CSS property to change the border of an element to Yxy 80.5057, 0.3102, 0.4428 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(163, 253, 158) }
```

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

```
.border{ border-color:rgb(163, 253, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 253, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 253, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 253, 158);  
box-shadow:4px 4px 4px 4px rgb(163, 253,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 80.5057, 0.3102, 0.4428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 253, 158) }
```

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

```
.background{ background-color: rgb(163,  
253, 158) }
```

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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