

Converting Colors

$Y_{xy}(121.2609, 0.3088, 0.4879)$

Have a look what the booklet for
Yxy(121.2609, 0.3088, 0.4879)
contains.

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Color

Yxy(81.7791, 0.3122, 0.4480)

Conversions

Conversions Part 1

Format	Color
Hex	A4FF9B
RGB	164, 255, 155
RGB Percent	64%, 100%, 61%
CMY	0.3567, 0.0000, 0.3923
CMYK	0.36, 0.00, 0.39, 0.00
HSL	115°, 100%, 80%
HSV	115°, 39%, 100%
XYZ	56.9898, 81.7791, 43.7737
YIQ	216.3910, -22.1360, -50.3920

Conversions

Conversions Part 2

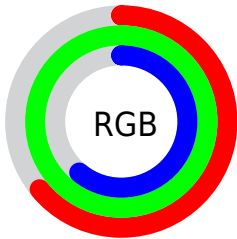
Format	Color
RYB	155, 255, 246
Decimal	10813339
CIELab	92.48, -45.95, 39.42
CIElCh	92, 60.544, 139.376
Yxy	81.7791, 0.3122, 0.4480
Android (android.graphics.Color)	4289003419 (0xFFA4FF9B)
YUV	216.3910, -30.2658, -45.9469
Hunter-Lab	90.4318, -45.7656, 34.6028

Details

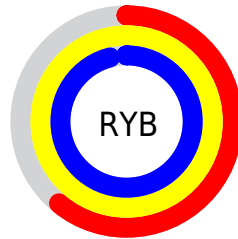
The Yxy color **81.7791, 0.3122, 0.4480** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **50.2285, 0.3097, 0.2297**, and the grayscale version is **69.1772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7027, 0.3179, 0.3761**, and **44.5356, 0.3096, 0.4791** is the 20% darker color. If you saturate the color by 10%, you get **78.7674, 0.3112, 0.4834**, and if you desaturate by 10%, it is **85.4277, 0.3128, 0.4136**.

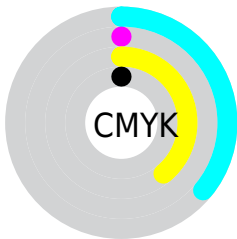
Distribution



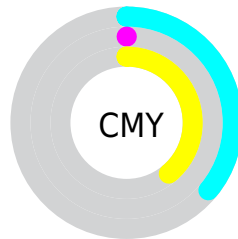
- Red (64%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (96%)



- Cyan (36%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)





- Cyan (36%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7791, 0.3122, 0.4480 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 81.7791, 0.3122, 0.4480 by changing the saturation by 10% instead.


 81.7791, 0.3122,
0.4480


 81.7791, 0.3122,
0.4480


500.9085, 0.3147,
0.3907

 61.1835, 0.3110,
0.4615


 135.8642, 0.3135,
0.4278

 44.3733, 0.3093,
0.4783


 170.1224, 0.3139,
0.4200

 30.9641, 0.3065,
0.4998


209.7037, 0.3142,
0.4133

 20.5715, 0.3021,
0.5280

254.9923, 0.3143,
0.4076

 12.8111, 0.2943,
0.5664

306.3727, 0.3145,
0.4025

 7.2986, 0.2799,
0.6204


364.2292, 0.3146,


 3.6495, 0.2642,


0.3981


0.7358

428.9464, 0.3146,
0.3942

 1.4795, 0.1144,
0.8856

 0.2742, 0.0000,
1.0000

 81.7791, 0.3122,
0.4480


 81.7791, 0.3122,
0.4480

 78.7674, 0.3112,
0.4834


 85.4277, 0.3128,
0.4136

 76.3473, 0.3098,
0.5178

 89.7367, 0.3130,
0.3816

 74.4821, 0.3080,
0.5486

 94.7402, 0.3129,
0.3527

 73.1277, 0.3059,
0.5732

100.0000, 0.3127,
0.3290

■ 72.2324, 0.3037,
0.5898

■ 71.7301, 0.3017,
0.5983

■ 71.7039, 0.3016,
0.5987

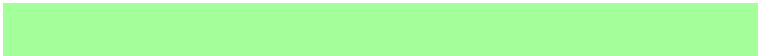
Harmonies

Analogous

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



81.7791, 0.3790, 0.4549



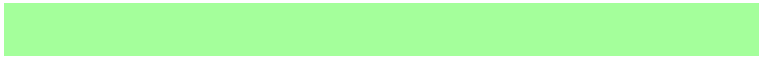
81.7791, 0.3122, 0.4480



81.7791, 0.2490, 0.3942

Triad

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



81.7791, 0.3122, 0.4480



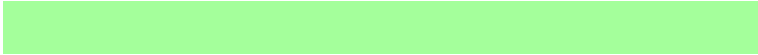
81.7791, 0.2019, 0.2284



81.7791, 0.4308, 0.3208

Complementary

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



81.7791, 0.3122, 0.4480



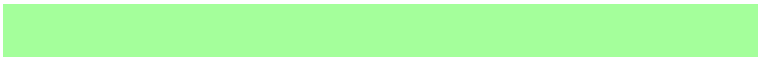
50.2285, 0.3097, 0.2297

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.



81.7791, 0.3723, 0.2734



81.7791, 0.3122, 0.4480



81.7791, 0.2396, 0.2222

Square

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



81.7791, 0.3122, 0.4480



81.7791, 0.1903, 0.2608



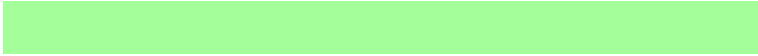
81.7791, 0.3004, 0.2386



81.7791, 0.4523, 0.3733

Rectangle

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



81.7791, 0.3122, 0.4480



81.7791, 0.2174, 0.3447



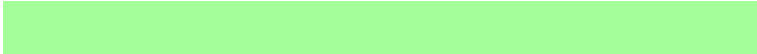
81.7791, 0.3004, 0.2386



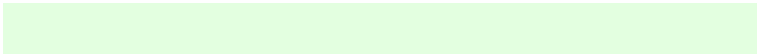
81.7791, 0.4145, 0.3041

Sweetspot

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



81.7823, 0.3122, 0.4480



93.2833, 0.3130, 0.3604



88.9278, 0.3752, 0.4181



19.8235, 0.3130, 0.3641



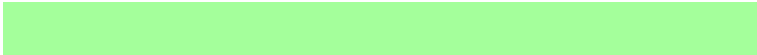
0.0000, 0.0000, 0.0000



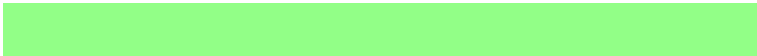
21.4041, 0.3127, 0.3290

Same Dimension

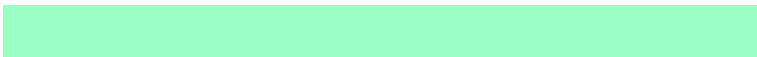
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7823, 0.3122, 0.4480



79.3871, 0.3115, 0.4755



82.4239, 0.2870, 0.4002



20.2469, 0.3129, 0.3535



37.4932, 0.3020, 0.5984



3.6760, 0.3062, 0.5951

Inverse Universe

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



50.2285, 0.3097, 0.2297



43.8448, 0.3087, 0.2112



49.5956, 0.3521, 0.2678



18.2116, 0.3123, 0.3055



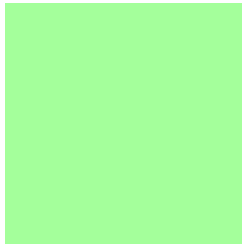
12.7588, 0.2981, 0.1416



1.2658, 0.3009, 0.1431

Previews

White Background



This preview shows how the Yxy color 81.7791, 0.3122, 0.4480 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 81.7791, 0.3122, 0.4480 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 81.7791, 0.3122, 0.4480

Background



This preview shows how black text looks on a background with the Yxy color 81.7791, 0.3122, 0.4480.

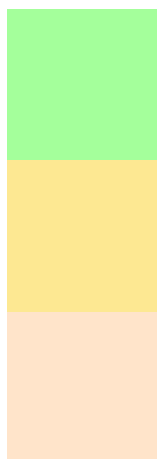


This preview shows how white text looks on a background with the Yxy color 81.7791, 0.3122, 0.4480.

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

81.7791, 0.3122, 0.4480

Protanopia

80.6712, 0.3842, 0.4157

Deuteranopia

81.0111, 0.3494, 0.3554



Tritanopia

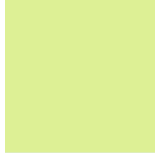
81.4105, 0.2777, 0.3129

Trichromacy



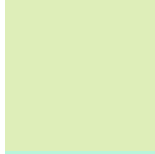
Original Color

81.7791, 0.3122, 0.4480



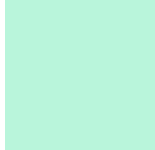
Protanomaly

79.8623, 0.3558, 0.4280



Deuteranomaly

80.1814, 0.3350, 0.3867



Tritanomaly

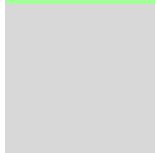
80.7336, 0.2904, 0.3583

Monochromacy



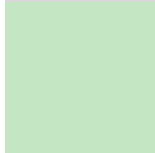
Original Color

81.7791, 0.3122, 0.4480



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

72.3590, 0.3128, 0.3707

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7791, 0.3122, 0.4480 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(164, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(164, 255, 155)  
}
```

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(164, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 255, 155) }
```

Border

The CSS property to change the border of an element to Yxy 81.7791, 0.3122, 0.4480 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(164, 255, 155) }
```

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

```
.border{ border-color:rgb(164, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(164, 255,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7791, 0.3122, 0.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 255, 155) }
```

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

```
.background{ background-color: rgb(164,  
255, 155) }
```

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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