

Converting Colors

Yxy(83.4337, 0.3124, 0.4381)

Have a look what the booklet for
Yxy(83.4337, 0.3124, 0.4381)
contains.

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Color

Yxy(82.8223, 0.3122, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFA3
RGB	171, 255, 163
RGB Percent	67%, 100%, 64%
CMY	0.3294, 0.0000, 0.3607
CMYK	0.33, 0.00, 0.36, 0.00
HSL	115°, 100%, 82%
HSV	115°, 36%, 100%
XYZ	59.1696, 82.8223, 47.5328
YIQ	219.3960, -20.5320, -46.4200

Conversions

Conversions Part 2

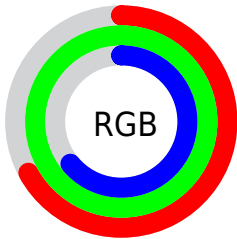
Format	Color
RYB	163, 255, 247
Decimal	11272099
CIELab	92.94, -42.62, 36.10
CIELCh	93, 55.859, 139.736
Yxy	82.8223, 0.3122, 0.4370
Android (android.graphics.Color)	4289462179 (0xFFABFFA3)
YUV	219.3960, -27.8032, -42.4433
Hunter-Lab	91.0068, -43.2070, 32.7376

Details

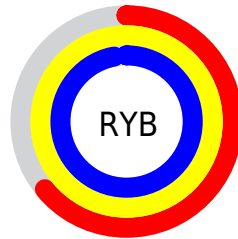
The Yxy color **82.8223, 0.3122, 0.4370** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.2045, 0.3104, 0.2376**, and the grayscale version is **71.3403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2925, 0.3172, 0.3660**, and **45.1588, 0.3097, 0.4650** is the 20% darker color. If you saturate the color by 10%, you get **79.6118, 0.3113, 0.4723**, and if you desaturate by 10%, it is **86.6830, 0.3127, 0.4032**.

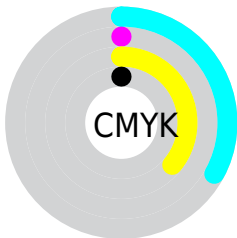
Distribution



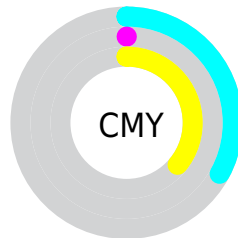
- Red (67%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (97%)



- Cyan (33%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8223, 0.3122, 0.4370 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 82.8223, 0.3122, 0.4370 by changing the saturation by 10% instead.

 82.8223, 0.3122,
0.4370


 82.8223, 0.3122,
0.4370


504.3941, 0.3142,
0.3853

 62.0436, 0.3113,
0.4491


 137.3265, 0.3133,
0.4188

 45.0679, 0.3098,
0.4643


 171.8209, 0.3136,
0.4118

 31.5109, 0.3076,
0.4836


211.6558, 0.3138,
0.4058

 20.9882, 0.3040,
0.5090

257.2158, 0.3140,
0.4006

 13.1154, 0.2978,
0.5436

308.8852, 0.3141,
0.3960

 7.5080, 0.2863,
0.5929


367.0485, 0.3142,


 3.7818, 0.2706,

0.3920


0.6857


432.0900, 0.3142,
0.3884


 1.5523, 0.1712,
0.8288

 0.3251, 0.0000,
1.0000


 82.8223, 0.3122,
0.4370


 82.8223, 0.3122,
0.4370


 79.6118, 0.3113,
0.4723

 86.6830, 0.3127,
0.4032

 77.0084, 0.3100,
0.5073

 91.2188, 0.3129,
0.3721

 74.9759, 0.3083,
0.5396

 96.4625, 0.3128,
0.3443

 73.4712, 0.3063,
0.5664

100.0000, 0.3127,
0.3290

■ 72.4448, 0.3042,
0.5856

■ 71.8378, 0.3021,
0.5963

■ 71.6920, 0.3015,
0.5988

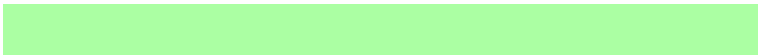
Harmonies

Analogous

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



82.8223, 0.3740, 0.4450



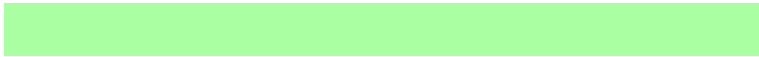
82.8223, 0.3122, 0.4370



82.8223, 0.2537, 0.3878

Triad

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



82.8223, 0.3122, 0.4370



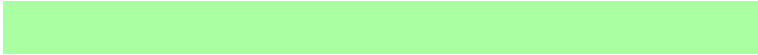
82.8223, 0.2101, 0.2357



82.8223, 0.4216, 0.3226

Complementary

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



82.8223, 0.3122, 0.4370



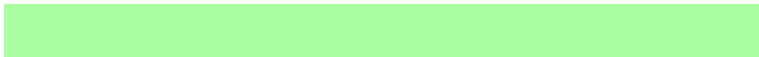
53.2045, 0.3104, 0.2376

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.



82.8223, 0.3684, 0.2781



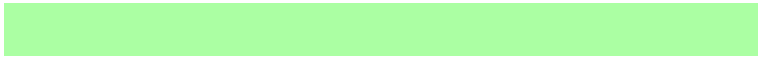
82.8223, 0.3122, 0.4370



82.8223, 0.2457, 0.2297

Square

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



82.8223, 0.3122, 0.4370



82.8223, 0.1989, 0.2660



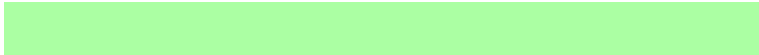
82.8223, 0.3024, 0.2452



82.8223, 0.4413, 0.3717

Rectangle

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



82.8223, 0.3122, 0.4370



82.8223, 0.2243, 0.3430



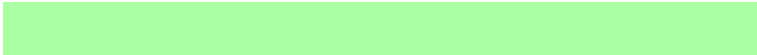
82.8223, 0.3024, 0.2452



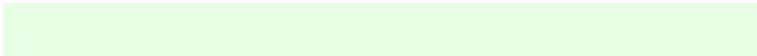
82.8223, 0.4068, 0.3069

Sweetspot

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



82.8249, 0.3122, 0.4370



93.7845, 0.3129, 0.3576



89.6976, 0.3701, 0.4111



19.9229, 0.3129, 0.3614



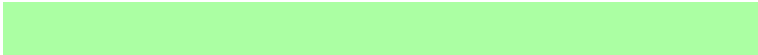
0.0000, 0.0000, 0.0000



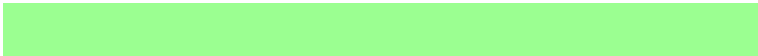
21.4041, 0.3127, 0.3290

Same Dimension

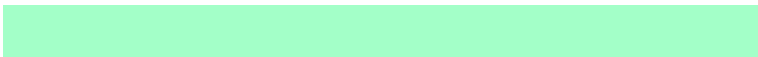
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.8249, 0.3122, 0.4370



80.5302, 0.3116, 0.4614



83.4719, 0.2888, 0.3934



20.2434, 0.3129, 0.3535



37.4862, 0.3019, 0.5985



3.6743, 0.3060, 0.5953

Inverse Universe

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



53.2045, 0.3104, 0.2376



47.0781, 0.3096, 0.2207



52.5396, 0.3479, 0.2727



18.2155, 0.3124, 0.3055



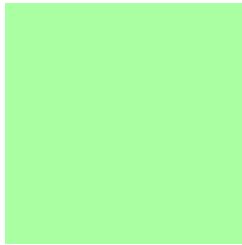
12.8470, 0.2991, 0.1422



1.2735, 0.3018, 0.1436

Previews

White Background



This preview shows how the Yxy color 82.8223, 0.3122, 0.4370 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 82.8223, 0.3122, 0.4370 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

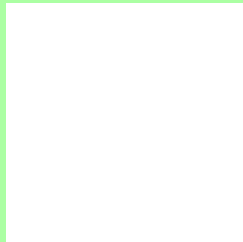
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8223, 0.3122, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 82.8223, 0.3122, 0.4370.

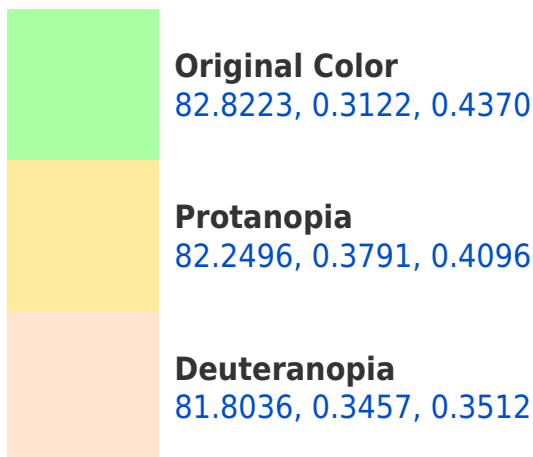


This preview shows how white text looks on a background with the Yxy color 82.8223, 0.3122, 0.4370.

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

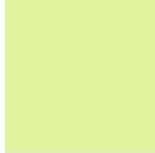
82.0967, 0.2805, 0.3131

Trichromacy



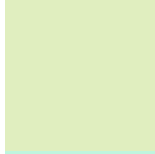
Original Color

82.8223, 0.3122, 0.4370



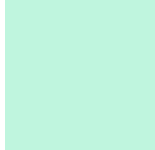
Protanomaly

81.7859, 0.3527, 0.4206



Deuteranomaly

80.7580, 0.3326, 0.3798



Tritanomaly

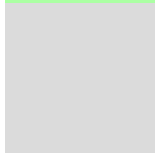
81.6551, 0.2923, 0.3546

Monochromacy



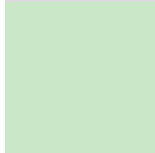
Original Color

82.8223, 0.3122, 0.4370



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

74.3933, 0.3130, 0.3665

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8223, 0.3122, 0.4370 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(171, 255, 163)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 163)  
}
```

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(171, 255, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 163) }
```

Border

The CSS property to change the border of an element to Yxy 82.8223, 0.3122, 0.4370 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(171, 255, 163) }
```

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

```
.border{ border-color:rgb(171, 255, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8223, 0.3122, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 163) }
```

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

```
.background{ background-color: rgb(171,  
255, 163) }
```

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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