

Converting Colors

Yxy(83.5364, 0.3075, 0.4226)

Have a look what the booklet for
Yxy(83.5364, 0.3075, 0.4226)
contains.

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Color

Yxy(83.4994, 0.3072, 0.4223)

Conversions

Conversions Part 1

Format	Color
Hex	ADFFAF
RGB	173, 255, 175
RGB Percent	68%, 100%, 69%
CMY	0.3214, 0.0000, 0.3136
CMYK	0.32, 0.00, 0.31, 0.00
HSL	121°, 100%, 84%
HSV	121°, 32%, 100%
XYZ	60.7412, 83.4994, 53.4847
YIQ	221.3620, -23.1920, -42.2640

Conversions

Conversions Part 2

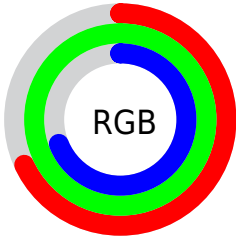
Format	Color
RYB	173, 253, 255
Decimal	11403183
CIELab	93.23, -40.15, 30.53
CIELCh	93, 50.440, 142.755
Yxy	83.4994, 0.3072, 0.4223
Android (android.graphics.Color)	4289593263 (0xFFADFFAF)
YUV	221.3620, -22.8565, -42.4135
Hunter-Lab	91.3780, -41.2582, 29.2614

Details

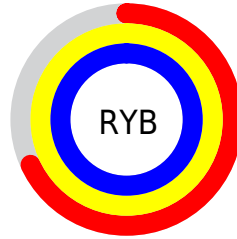
The Yxy color **83.4994, 0.3072, 0.4223** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **58.2584, 0.3180, 0.2506**, and the grayscale version is **72.7603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1125, 0.3110, 0.3534**, and **45.6449, 0.3045, 0.4457** is the 20% darker color. If you saturate the color by 10%, you get **79.9774, 0.3053, 0.4572**, and if you desaturate by 10%, it is **87.7634, 0.3090, 0.3897**.

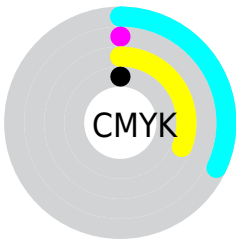
Distribution



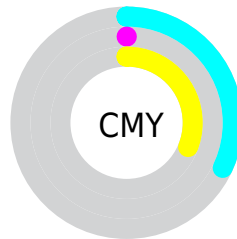
- Red (68%)
- Green (100%)
- Blue (69%)



- Red (68%)
- Yellow (99%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.4994, 0.3072, 0.4223 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 83.4994, 0.3072, 0.4223 by changing the saturation by 10% instead.


 83.4994, 0.3072,
0.4223

 83.4994, 0.3072,
0.4223


506.6494, 0.3110,
0.3778

 62.6022, 0.3060,
0.4327


 138.2747, 0.3088,
0.4066

 45.5195, 0.3043,
0.4457


172.9216, 0.3093,
0.4006

 31.8668, 0.3019,
0.4623


212.9205, 0.3098,
0.3954

 21.2598, 0.2984,
0.4843

258.6559, 0.3101,
0.3910

 13.3140, 0.2926,
0.5144

310.5120, 0.3104,
0.3871

 7.6451, 0.2826,
0.5579


368.8734, 0.3107,


 3.8687, 0.2645,


0.3836


0.6275

434.1244, 0.3109,
0.3805


 1.6004, 0.2048,
0.7952


 0.3579, 0.0000,
1.0000


 83.4994, 0.3072,
0.4223


 83.4994, 0.3072,
0.4223

 79.9774, 0.3053,
0.4572


 87.7634, 0.3090,
0.3897

 77.1454, 0.3035,
0.4928

 92.7970, 0.3108,
0.3602

 74.9610, 0.3019,
0.5269

 98.6396, 0.3124,
0.3341

 73.3731, 0.3007,
0.5565

99.9969, 0.3127,
0.3290

■ 72.3229, 0.3000,
0.5793

■ 71.7395, 0.2998,
0.5935

■ 71.5303, 0.2997,
0.5990

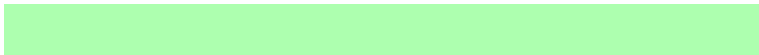
Harmonies

Analogous

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



83.4994, 0.3636, 0.4344



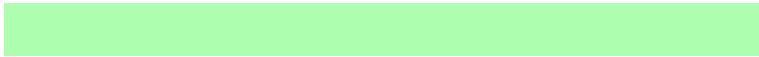
83.4994, 0.3072, 0.4223



83.4994, 0.2550, 0.3758

Triad

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



83.4994, 0.3072, 0.4223



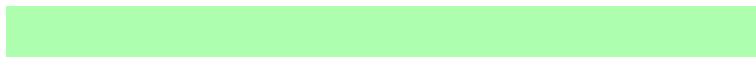
83.4994, 0.2215, 0.2427



83.4994, 0.4141, 0.3284

Complementary

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



83.4994, 0.3072, 0.4223



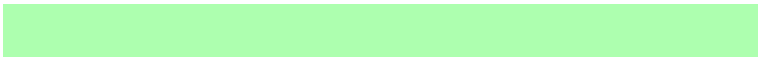
58.2584, 0.3180, 0.2506

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.



83.4994, 0.3687, 0.2866



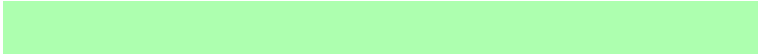
83.4994, 0.3072, 0.4223



83.4994, 0.2565, 0.2390

Square

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



83.4994, 0.3072, 0.4223



83.4994, 0.2089, 0.2687



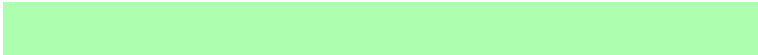
83.4994, 0.3096, 0.2549



83.4994, 0.4285, 0.3734

Rectangle

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



83.4994, 0.3072, 0.4223



83.4994, 0.2293, 0.3360



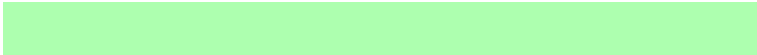
83.4994, 0.3096, 0.2549



83.4994, 0.4018, 0.3137

Sweetspot

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



83.5029, 0.3072, 0.4223



93.9800, 0.3111, 0.3543



95.5369, 0.3605, 0.4098



19.9487, 0.3109, 0.3581



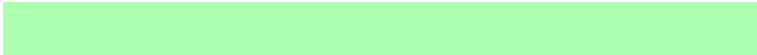
0.0000, 0.0000, 0.0000



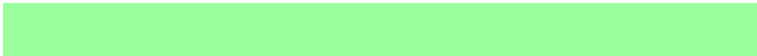
21.4041, 0.3127, 0.3290

Same Dimension

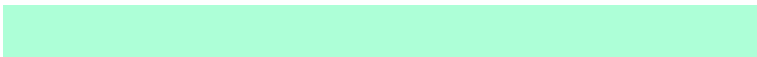
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5029, 0.3072, 0.4223



81.0099, 0.3059, 0.4461



85.3331, 0.2862, 0.3739



20.1753, 0.3112, 0.3530



37.3808, 0.2996, 0.5985



3.6420, 0.2986, 0.5950

Inverse Universe

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



58.2584, 0.3180, 0.2506



51.9527, 0.3192, 0.2345



55.9520, 0.3513, 0.2884



18.2924, 0.3142, 0.3061



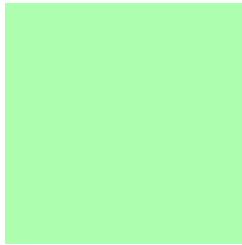
14.6813, 0.3270, 0.1575



1.4318, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 83.4994, 0.3072, 0.4223 looks on a white background.

Color Contrast Check

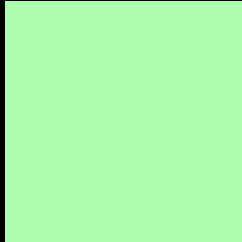
Large Text (above 18pt) WCAG AA × Fail

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 83.4994, 0.3072, 0.4223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

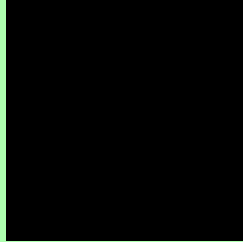
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

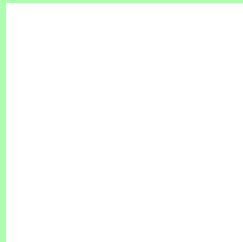
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4994, 0.3072, 0.4223

Background



This preview shows how black text looks on a background with the Yxy color 83.4994, 0.3072, 0.4223.

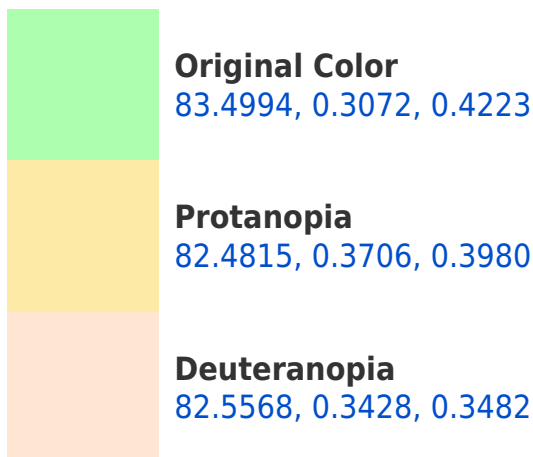


This preview shows how white text looks on a background with the Yxy color 83.4994, 0.3072, 0.4223.

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

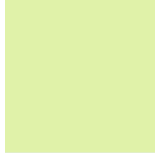
83.1097, 0.2823, 0.3142

Trichromacy



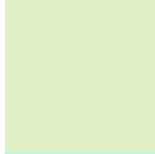
Original Color

83.4994, 0.3072, 0.4223



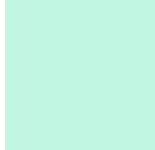
Protanomaly

82.2161, 0.3455, 0.4078



Deuteranomaly

81.8178, 0.3288, 0.3730



Tritanomaly

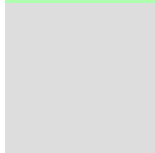
82.7400, 0.2913, 0.3510

Monochromacy



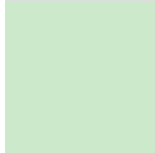
Original Color

83.4994, 0.3072, 0.4223



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4748, 0.3112, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4994, 0.3072, 0.4223 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(173, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 175)  
}
```

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(173, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 175) }
```

Border

The CSS property to change the border of an element to Yxy 83.4994, 0.3072, 0.4223 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(173, 255, 175) }
```

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

```
.border{ border-color:rgb(173, 255, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4994, 0.3072, 0.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 255, 175) }
```

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

```
.background{ background-color: rgb(173,  
255, 175) }
```

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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