

Converting Colors

$Yxy(83.2769, 0.3126, 0.4332)$

Have a look what the booklet for
Yxy(83.2769, 0.3126, 0.4332)
contains.

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Color

Yxy(83.2718, 0.3124, 0.4329)

Conversions

Conversions Part 1

Format	Color
Hex	AEFFA6
RGB	174, 255, 166
RGB Percent	68%, 100%, 65%
CMY	0.3178, 0.0000, 0.3489
CMYK	0.32, 0.00, 0.35, 0.00
HSL	115°, 100%, 83%
HSV	115°, 35%, 100%
XYZ	60.0927, 83.2718, 48.9936
YIQ	220.6350, -19.7070, -44.8510

Conversions

Conversions Part 2

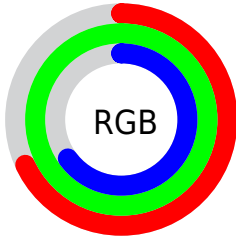
Format	Color
RYB	166, 255, 247
Decimal	11468710
CIELab	93.13, -41.26, 34.90
CIElCh	93, 54.045, 139.774
Yxy	83.2718, 0.3124, 0.4329
Android (android.graphics.Color)	4289658790 (0xFFAEFFA6)
YUV	220.6350, -26.9351, -40.8989
Hunter-Lab	91.2534, -42.1467, 32.0448

Details

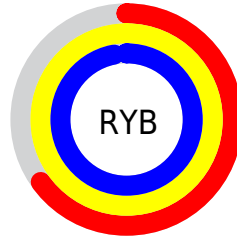
The Yxy color **83.2718, 0.3124, 0.4329** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.2890, 0.3104, 0.2405**, and the grayscale version is **72.2313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9497, 0.3174, 0.3626**, and **45.4320, 0.3100, 0.4596** is the 20% darker color. If you saturate the color by 10%, you get **79.9823, 0.3116, 0.4681**, and if you desaturate by 10%, it is **87.1998, 0.3128, 0.3994**.

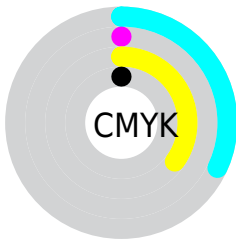
Distribution



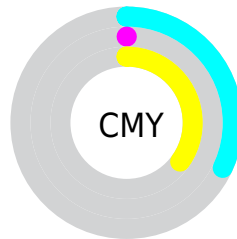
- Red (68%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (97%)



- Cyan (32%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2718, 0.3124, 0.4329 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 83.2718, 0.3124, 0.4329 by changing the saturation by 10% instead.

 83.2718, 0.3124,
0.4329


 83.2718, 0.3124,
0.4329


505.8919, 0.3142,
0.3833

 62.4144, 0.3115,
0.4445


 137.9561, 0.3134,
0.4154

 45.3676, 0.3103,
0.4590


 172.5517, 0.3137,
0.4087

 31.7471, 0.3082,
0.4775


212.4956, 0.3139,
0.4029

 21.1684, 0.3050,
0.5018

258.1721, 0.3140,
0.3979

 13.2472, 0.2993,
0.5350

309.9656, 0.3141,
0.3936

 7.5990, 0.2889,
0.5823

368.2604, 0.3142,


 3.8394, 0.2730,


0.3897


0.6665


433.4411, 0.3142,
0.3863


 1.5841, 0.1912,
0.8088


 0.3469, 0.0000,
1.0000


 83.2718, 0.3124,
0.4329


 83.2718, 0.3124,
0.4329


 79.9823, 0.3116,
0.4681

 87.1998, 0.3128,
0.3994

 77.3089, 0.3104,
0.5032

 91.8109, 0.3129,
0.3687

 75.2096, 0.3087,
0.5359

 97.1309, 0.3128,
0.3412

 73.6418, 0.3067,
0.5635

100.0000, 0.3127,
0.3290

■ 72.5575, 0.3045,
0.5837

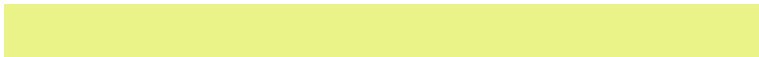
■ 71.8993, 0.3024,
0.5955

■ 71.6989, 0.3015,
0.5988

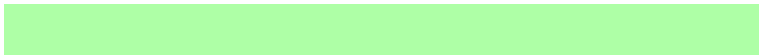
Harmonies

Analogous

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



83.2718, 0.3723, 0.4411



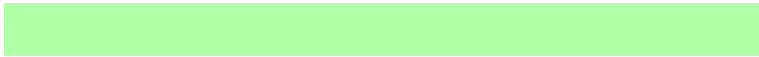
83.2718, 0.3124, 0.4329



83.2718, 0.2557, 0.3855

Triad

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



83.2718, 0.3124, 0.4329



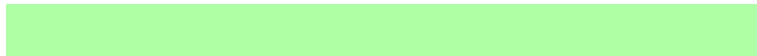
83.2718, 0.2132, 0.2386



83.2718, 0.4179, 0.3231

Complementary

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



83.2718, 0.3124, 0.4329



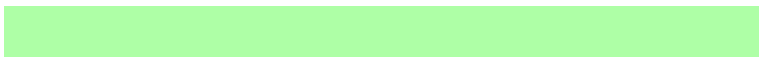
54.2890, 0.3104, 0.2405

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.



83.2718, 0.3667, 0.2797



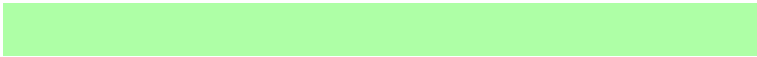
83.2718, 0.3124, 0.4329



83.2718, 0.2480, 0.2327

Square

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



83.2718, 0.3124, 0.4329



83.2718, 0.2023, 0.2682



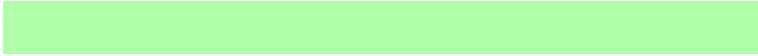
83.2718, 0.3030, 0.2477



83.2718, 0.4370, 0.3709

Rectangle

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



83.2718, 0.3124, 0.4329



83.2718, 0.2271, 0.3426



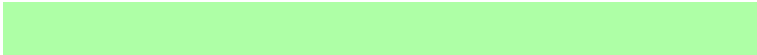
83.2718, 0.3030, 0.2477



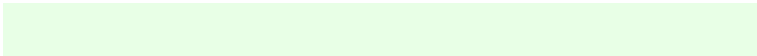
83.2718, 0.4037, 0.3078

Sweetspot

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



83.2677, 0.3124, 0.4329



94.3229, 0.3129, 0.3548



89.9881, 0.3682, 0.4085



20.0307, 0.3129, 0.3587



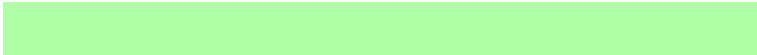
0.0000, 0.0000, 0.0000



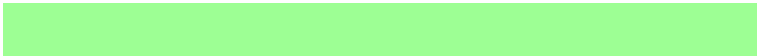
21.4041, 0.3127, 0.3290

Same Dimension

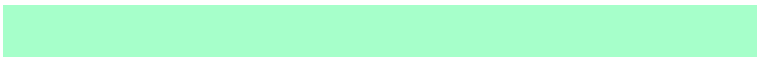
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2677, 0.3124, 0.4329



80.8678, 0.3119, 0.4578



83.8759, 0.2895, 0.3910



20.2455, 0.3129, 0.3535



37.4903, 0.3020, 0.5984



3.6753, 0.3061, 0.5951

Inverse Universe

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



54.2890, 0.3104, 0.2405



47.8630, 0.3095, 0.2230



53.6781, 0.3464, 0.2746



18.2132, 0.3124, 0.3055



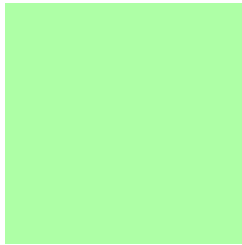
12.7950, 0.2986, 0.1418



1.2689, 0.3013, 0.1433

Previews

White Background



This preview shows how the Yxy color 83.2718, 0.3124, 0.4329 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 83.2718, 0.3124, 0.4329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

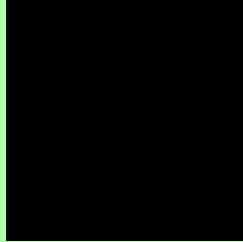
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

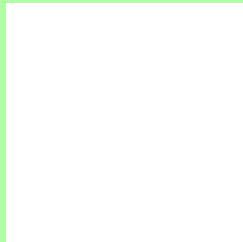
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2718, 0.3124, 0.4329

Background



This preview shows how black text looks on a background with the Yxy color 83.2718, 0.3124, 0.4329.

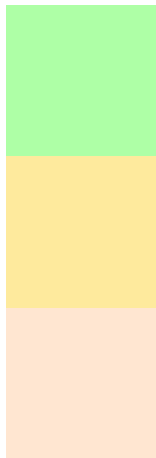


This preview shows how white text looks on a background with the Yxy color 83.2718, 0.3124, 0.4329.

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

83.2718, 0.3124, 0.4329

Protanopia

82.3508, 0.3772, 0.4067

Deuteranopia

82.4571, 0.3442, 0.3502



Tritanopia

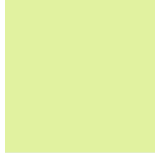
82.9680, 0.2818, 0.3142

Trichromacy



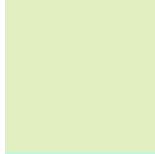
Original Color

83.2718, 0.3124, 0.4329



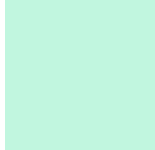
Protanomaly

82.0499, 0.3516, 0.4172



Deuteranomaly

81.7520, 0.3326, 0.3784



Tritanomaly

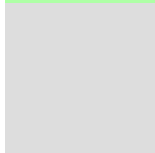
82.5767, 0.2930, 0.3544

Monochromacy



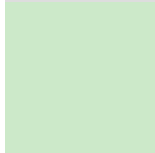
Original Color

83.2718, 0.3124, 0.4329



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3322, 0.3130, 0.3651

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2718, 0.3124, 0.4329 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(174, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 166)  
}
```

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(174, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 166) }
```

Border

The CSS property to change the border of an element to Yxy 83.2718, 0.3124, 0.4329 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(174, 255, 166) }
```

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

```
.border{ border-color:rgb(174, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(174, 255, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(174, 255, 166); box-shadow:4px 4px 4px 4px rgb(174, 255, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2718, 0.3124, 0.4329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 166) }
```

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

```
.background{ background-color: rgb(174,  
255, 166) }
```

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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