

Converting Colors

Yxy(135.0128, 0.3085, 0.4859)

Have a look what the booklet for
Yxy(135.0128, 0.3085, 0.4859)
contains.

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Color

Yxy(83.1208, 0.3124, 0.4343)

Conversions

Conversions Part 1

Format	Color
Hex	ADFFA5
RGB	173, 255, 165
RGB Percent	68%, 100%, 65%
CMY	0.3214, 0.0000, 0.3530
CMYK	0.32, 0.00, 0.35, 0.00
HSL	115°, 100%, 82%
HSV	115°, 35%, 100%
XYZ	59.7903, 83.1208, 48.4792
YIQ	220.2220, -19.9820, -45.3740

Conversions

Conversions Part 2

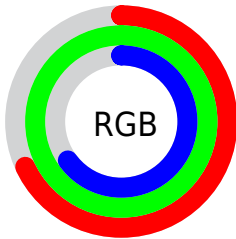
Format	Color
RYB	165, 255, 247
Decimal	11403173
CIELab	93.07, -41.70, 35.33
CIElCh	93, 54.653, 139.729
Yxy	83.1208, 0.3124, 0.4343
Android (android.graphics.Color)	4289593253 (0xFFADFFA5)
YUV	220.2220, -27.2244, -41.4137
Hunter-Lab	91.1706, -42.4870, 32.2925

Details

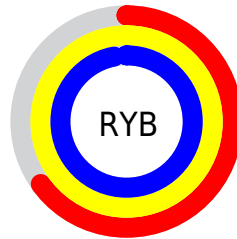
The Yxy color **83.1208, 0.3124, 0.4343** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.8855, 0.3103, 0.2394**, and the grayscale version is **71.9443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7294, 0.3173, 0.3637**, and **45.3399, 0.3099, 0.4614** is the 20% darker color. If you saturate the color by 10%, you get **79.8651, 0.3116, 0.4695**, and if you desaturate by 10%, it is **87.0285, 0.3128, 0.4007**.

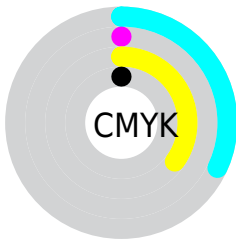
Distribution



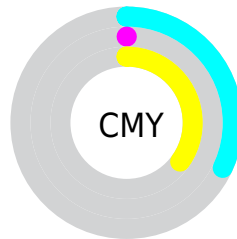
- Red (68%)
- Green (100%)
- Blue (65%)



- 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 83.1208, 0.3124, 0.4343 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 83.1208, 0.3124, 0.4343 by changing the saturation by 10% instead.


 83.1208, 0.3124,
0.4343

 83.1208, 0.3124,
0.4343

505.3890, 0.3143,
0.3839

 62.2898, 0.3115,
0.4461


 137.7446, 0.3134,
0.4166

 45.2669, 0.3102,
0.4608


 172.3063, 0.3137,
0.4097

 31.6677, 0.3081,
0.4796


212.2136, 0.3139,
0.4039

 21.1078, 0.3048,
0.5042

257.8510, 0.3140,
0.3988

 13.2028, 0.2989,
0.5379

309.6028, 0.3141,
0.3944

 7.5684, 0.2881,
0.5858


367.8535, 0.3142,


 3.8200, 0.2724,


0.3905


0.6729


432.9874, 0.3142,
0.3870

 1.5734, 0.1849,
0.8151


 0.3396, 0.0000,
1.0000


 83.1208, 0.3124,
0.4343


 83.1208, 0.3124,
0.4343


 79.8651, 0.3116,
0.4695


 87.0285, 0.3128,
0.4007

 77.2160, 0.3104,
0.5046

 91.6099, 0.3130,
0.3699


 75.1389, 0.3087,
0.5372

 96.8986, 0.3128,
0.3423

 73.5913, 0.3067,
0.5645

99.9993, 0.3127,
0.3290

 72.5247, 0.3045,
0.5844

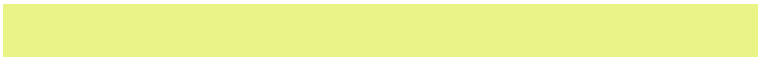
 71.8816, 0.3023,
0.5957

 71.6996, 0.3016,
0.5988

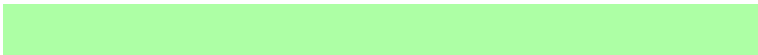
Harmonies

Analogous

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



83.1208, 0.3729, 0.4424



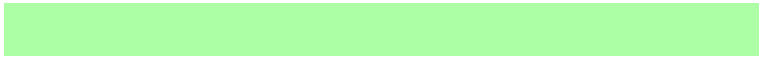
83.1208, 0.3124, 0.4343



83.1208, 0.2551, 0.3863

Triad

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



83.1208, 0.3124, 0.4343



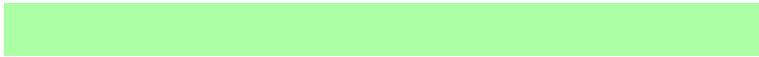
83.1208, 0.2121, 0.2376



83.1208, 0.4191, 0.3229

Complementary

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



83.1208, 0.3124, 0.4343



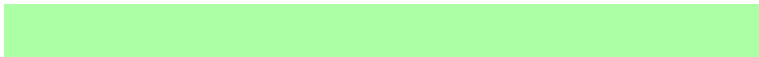
53.8855, 0.3103, 0.2394

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.



83.1208, 0.3672, 0.2791



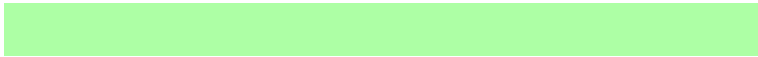
83.1208, 0.3124, 0.4343



83.1208, 0.2472, 0.2317

Square

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



83.1208, 0.3124, 0.4343



83.1208, 0.2012, 0.2676



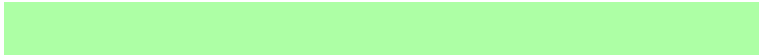
83.1208, 0.3027, 0.2468



83.1208, 0.4384, 0.3711

Rectangle

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



83.1208, 0.3124, 0.4343



83.1208, 0.2262, 0.3428



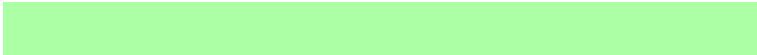
83.1208, 0.3027, 0.2468



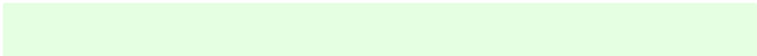
83.1208, 0.4047, 0.3075

Sweetspot

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



83.1243, 0.3124, 0.4343



93.7975, 0.3129, 0.3576



89.8854, 0.3689, 0.4094



19.9259, 0.3129, 0.3614



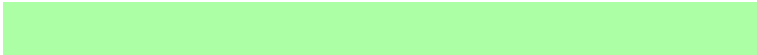
0.0000, 0.0000, 0.0000



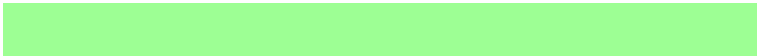
21.4041, 0.3127, 0.3290

Same Dimension

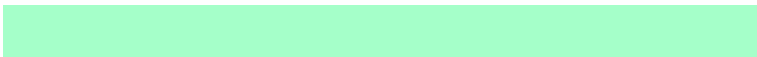
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1243, 0.3124, 0.4343



80.8727, 0.3119, 0.4578



83.7330, 0.2893, 0.3918



20.2459, 0.3129, 0.3535



37.4911, 0.3020, 0.5984



3.6755, 0.3061, 0.5951

Inverse Universe

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



53.8855, 0.3103, 0.2394



47.8542, 0.3095, 0.2230



53.2769, 0.3469, 0.2739



18.2128, 0.3124, 0.3055



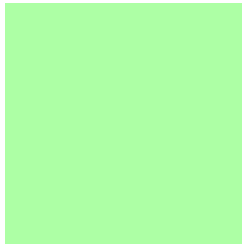
12.7851, 0.2984, 0.1418



1.2681, 0.3012, 0.1433

Previews

White Background



This preview shows how the Yxy color 83.1208, 0.3124, 0.4343 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 83.1208, 0.3124, 0.4343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

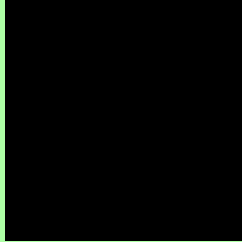
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.1208, 0.3124, 0.4343

Background



This preview shows how black text looks on a background with the Yxy color 83.1208, 0.3124, 0.4343.

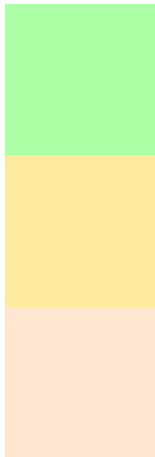


This preview shows how white text looks on a background with the Yxy color 83.1208, 0.3124, 0.4343.

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

83.1208, 0.3124, 0.4343

Protanopia

82.3168, 0.3778, 0.4076

Deuteranopia

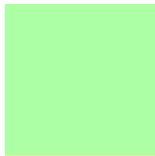
82.4077, 0.3449, 0.3512



Tritanopia

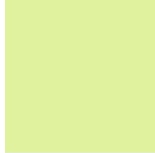
82.9680, 0.2818, 0.3142

Trichromacy



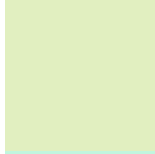
Original Color

83.1208, 0.3124, 0.4343



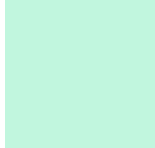
Protanomaly

82.0150, 0.3522, 0.4183



Deuteranomaly

81.5463, 0.3325, 0.3796



Tritanomaly

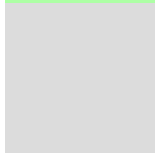
82.5229, 0.2935, 0.3555

Monochromacy



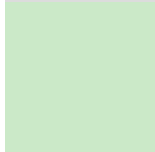
Original Color

83.1208, 0.3124, 0.4343



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1445, 0.3130, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1208, 0.3124, 0.4343 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, 165)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 165)  
}
```

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, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 165) }
```

Border

The CSS property to change the border of an element to Yxy 83.1208, 0.3124, 0.4343 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, 165) }
```

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

```
.border{ border-color:rgb(173, 255, 165) }
```

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, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1208, 0.3124, 0.4343 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, 165) }
```

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

```
.background{ background-color: rgb(173,  
255, 165) }
```

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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