

Converting Colors

$Yxy(83.4154, 0.3088, 0.4257)$

Have a look what the booklet for
Yxy(83.4154, 0.3088, 0.4257)
contains.

Yxy(83.3828, 0.3087, 0.4259)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.3828, 0.3087, 0.4259)

Conversions

Conversions Part 1

Format	Color
Hex	ADFFAC
RGB	173, 255, 172
RGB Percent	68%, 100%, 67%
CMY	0.3217, 0.0000, 0.3253
CMYK	0.32, 0.00, 0.33, 0.00
HSL	119°, 100%, 84%
HSV	119°, 33%, 100%
XYZ	60.4374, 83.3828, 51.9601
YIQ	221.0200, -22.2290, -43.1970

Conversions

Conversions Part 2

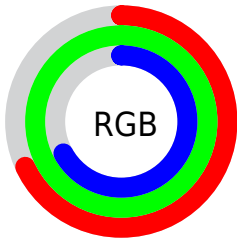
Format	Color
RYB	172, 255, 254
Decimal	11403180
CIELab	93.18, -40.65, 31.95
CIElCh	93, 51.708, 141.833
Yxy	83.3828, 0.3087, 0.4259
Android (android.graphics.Color)	4289593260 (0xFFADFFAC)
YUV	221.0200, -24.1669, -42.1135
Hunter-Lab	91.3142, -41.6575, 30.1824

Details

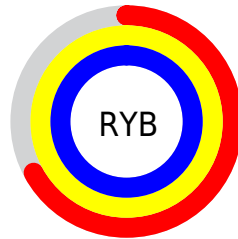
The Yxy color **83.3828, 0.3087, 0.4259** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.8279, 0.3158, 0.2477**, and the grayscale version is **72.5010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9444, 0.3127, 0.3565**, and **45.5716, 0.3063, 0.4504** is the 20% darker color. If you saturate the color by 10%, you get **79.8848, 0.3071, 0.4616**, and if you desaturate by 10%, it is **87.6068, 0.3101, 0.3924**.

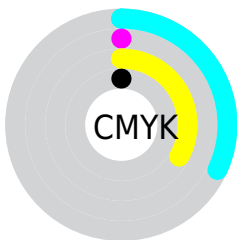
Distribution



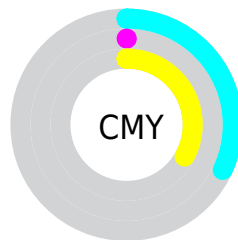
- Red (68%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.3828, 0.3087, 0.4259 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 83.3828, 0.3087, 0.4259 by changing the saturation by 10% instead.

 83.3828, 0.3087,
0.4259

 83.3828, 0.3087,
0.4259


506.2614, 0.3120,
0.3796

 62.5060, 0.3076,
0.4367


 138.1115, 0.3101,
0.4096

 45.4417, 0.3060,
0.4503


172.7321, 0.3106,
0.4033

 31.8055, 0.3037,
0.4675


212.7029, 0.3110,
0.3980

 21.2130, 0.3002,
0.4903

258.4081, 0.3113,
0.3933

 13.2798, 0.2945,
0.5215

310.2321, 0.3115,
0.3893

 7.6215, 0.2843,
0.5665


368.5594, 0.3117,


 3.8537, 0.2665,


0.3857


0.6404


433.7744, 0.3118,
0.3825


 1.5921, 0.1986,
0.8014


 0.3522, 0.0000,
1.0000


 83.3828, 0.3087,
0.4259


 83.3828, 0.3087,
0.4259


 79.8848, 0.3071,
0.4616

 87.6068, 0.3101,
0.3924

 77.0781, 0.3055,
0.4977

 92.6016, 0.3114,
0.3621

 74.9149, 0.3039,
0.5317

 98.4005, 0.3125,
0.3352

 73.3442, 0.3024,
0.5609

100.0000, 0.3127,
0.3290

■ 72.3075, 0.3012,
0.5826

■ 71.7339, 0.3004,
0.5953

■ 71.5383, 0.3002,
0.5999

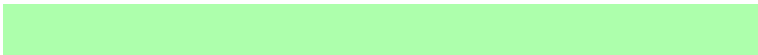
Harmonies

Analogous

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



83.3828, 0.3664, 0.4369



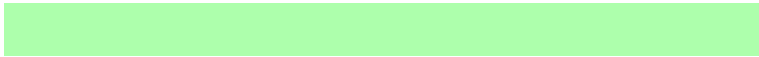
83.3828, 0.3087, 0.4259



83.3828, 0.2550, 0.3789

Triad

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



83.3828, 0.3087, 0.4259



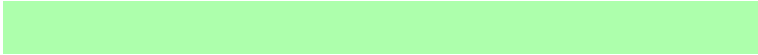
83.3828, 0.2186, 0.2411



83.3828, 0.4157, 0.3268

Complementary

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



83.3828, 0.3087, 0.4259



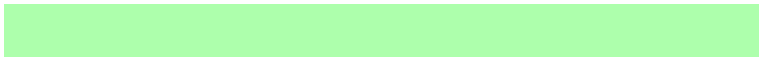
57.8279, 0.3158, 0.2477

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.



83.3828, 0.3684, 0.2843



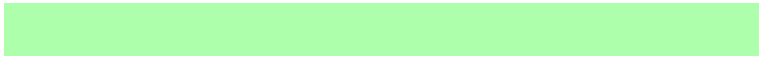
83.3828, 0.3087, 0.4259



83.3828, 0.2537, 0.2367

Square

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



83.3828, 0.3087, 0.4259



83.3828, 0.2065, 0.2683



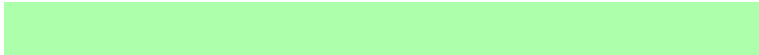
83.3828, 0.3076, 0.2524



83.3828, 0.4315, 0.3728

Rectangle

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



83.3828, 0.3087, 0.4259



83.3828, 0.2283, 0.3380



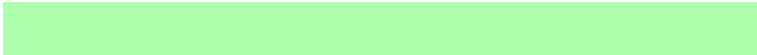
83.3828, 0.3076, 0.2524



83.3828, 0.4027, 0.3119

Sweetspot

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



83.3806, 0.3087, 0.4259



93.9922, 0.3117, 0.3549



94.8813, 0.3624, 0.4093



19.9516, 0.3115, 0.3589



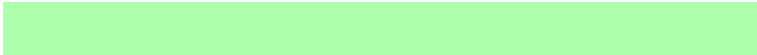
0.0000, 0.0000, 0.0000



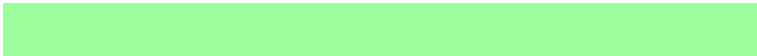
21.4041, 0.3127, 0.3290

Same Dimension

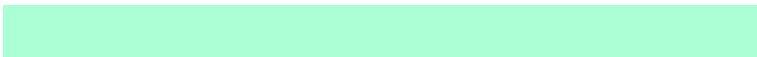
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.3806, 0.3087, 0.4259



81.0384, 0.3077, 0.4488



85.0562, 0.2873, 0.3778



20.1778, 0.3117, 0.3536



37.3844, 0.3002, 0.5998



3.6432, 0.3008, 0.5994

Inverse Universe

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



57.8279, 0.3158, 0.2477



51.8974, 0.3163, 0.2322



55.6835, 0.3495, 0.2851



18.2895, 0.3136, 0.3056



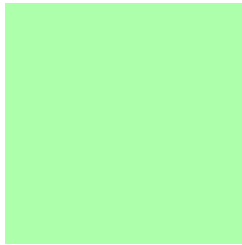
14.6077, 0.3182, 0.1526



1.4255, 0.3185, 0.1528

Previews

White Background



This preview shows how the Yxy color 83.3828, 0.3087, 0.4259 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 83.3828, 0.3087, 0.4259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

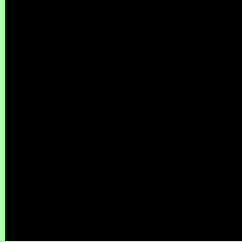
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

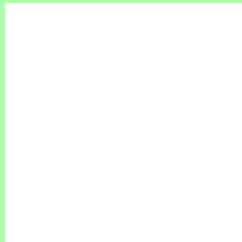
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3828, 0.3087, 0.4259

Background



This preview shows how black text looks on a background with the Yxy color 83.3828, 0.3087, 0.4259.

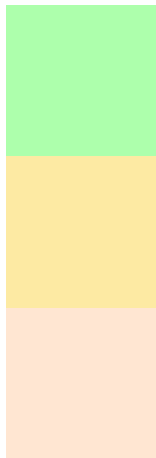


This preview shows how white text looks on a background with the Yxy color 83.3828, 0.3087, 0.4259.

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

83.3828, 0.3087, 0.4259

Protanopia

82.3726, 0.3726, 0.4010

Deuteranopia

82.5068, 0.3435, 0.3492



Tritanopia

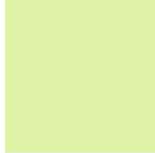
82.9680, 0.2818, 0.3142

Trichromacy



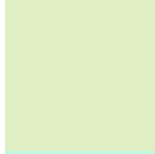
Original Color

83.3828, 0.3087, 0.4259



Protanomaly

82.1047, 0.3473, 0.4110



Deuteranomaly

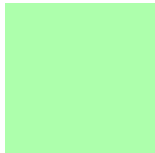
81.7261, 0.3300, 0.3752



Tritanomaly

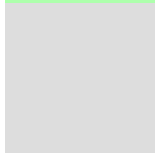
82.6852, 0.2919, 0.3521

Monochromacy



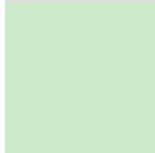
Original Color

83.3828, 0.3087, 0.4259



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.4270, 0.3118, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3828, 0.3087, 0.4259 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(173, 255, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 255, 172) }
```

Border

The CSS property to change the border of an element to Yxy 83.3828, 0.3087, 0.4259 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, 172) }
```

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

```
.border{ border-color:rgb(173, 255, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(173, 255,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3828, 0.3087, 0.4259 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, 172) }
```

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

```
.background{ background-color: rgb(173,  
255, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor