

Converting Colors

$Yxy(83.2269, 0.3055, 0.4223)$

Have a look what the booklet for
Yxy(83.2269, 0.3055, 0.4223)
contains.

Yxy(83.1612, 0.3054, 0.4228)	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(83.1612, 0.3054, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	AAFFAF
RGB	170, 255, 175
RGB Percent	67%, 100%, 69%
CMY	0.3335, 0.0000, 0.3136
CMYK	0.33, 0.00, 0.31, 0.00
HSL	124°, 100%, 83%
HSV	124°, 33%, 100%
XYZ	60.0696, 83.1612, 53.4608
YIQ	220.4650, -24.9800, -42.9000

Conversions

Conversions Part 2

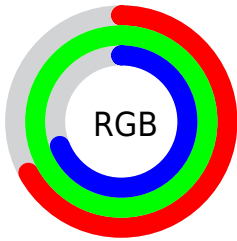
Format	Color
RYB	170, 250, 255
Decimal	11206575
CIELab	93.08, -41.11, 30.30
CIElCh	93, 51.068, 143.611
Yxy	83.1612, 0.3054, 0.4228
Android (android.graphics.Color)	4289396655 (0xFFAAFFAF)
YUV	220.4650, -22.4142, -44.2578
Hunter-Lab	91.1928, -42.0076, 29.0768

Details

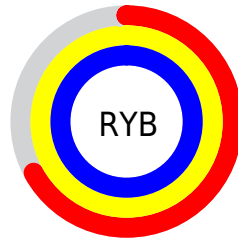
The Yxy color **83.1612, 0.3054, 0.4228** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.8866, 0.3206, 0.2503**, and the grayscale version is **72.0757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6204, 0.3091, 0.3535**, and **45.4381, 0.3024, 0.4465** is the 20% darker color. If you saturate the color by 10%, you get **79.7261, 0.3032, 0.4567**, and if you desaturate by 10%, it is **87.3059, 0.3077, 0.3910**.

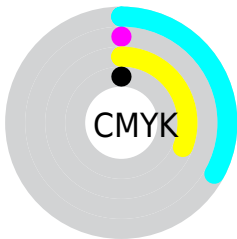
Distribution



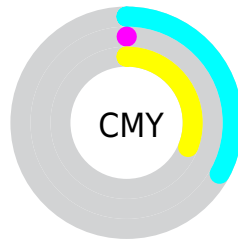
- Red (67%)
- Green (100%)
- Blue (69%)



- Red (67%)
- Yellow (98%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1612, 0.3054, 0.4228 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 83.1612, 0.3054, 0.4228 by changing the saturation by 10% instead.


 83.1612, 0.3054,
0.4228

 83.1612, 0.3054,
0.4228


505.5236, 0.3101,
0.3780

 62.3231, 0.3040,
0.4333

 137.8012, 0.3073,
0.4070

 45.2939, 0.3021,
0.4464


172.3720, 0.3079,
0.4009

 31.6889, 0.2994,
0.4632


212.2891, 0.3085,
0.3957

 21.1240, 0.2955,
0.4854

257.9369, 0.3089,
0.3912

 13.2147, 0.2892,
0.5160

309.6999, 0.3093,
0.3873

 7.5766, 0.2785,
0.5602


367.9624, 0.3096,


 3.8252, 0.2592,


0.3838


0.6312


433.1088, 0.3098,
0.3808


 1.5763, 0.1915,
0.8085


 0.3415, 0.0000,
1.0000


 83.1612, 0.3054,
0.4228


 83.1612, 0.3054,
0.4228


 79.7261, 0.3032,
0.4567


 87.3059, 0.3077,
0.3910

 76.9729, 0.3013,
0.4914

 92.2110, 0.3099,
0.3623

 74.8522, 0.2998,
0.5246

 97.9069, 0.3120,
0.3368

 73.3136, 0.2989,
0.5539

100.0000, 0.3127,
0.3290

■ 72.2992, 0.2986,
0.5768

■ 71.7386, 0.2989,
0.5918

■ 71.5552, 0.2993,
0.5974

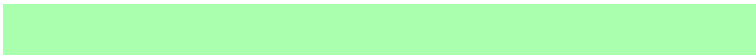
Harmonies

Analogous

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



83.1612, 0.3627, 0.4360



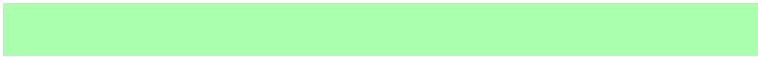
83.1612, 0.3054, 0.4228



83.1612, 0.2529, 0.3748

Triad

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



83.1612, 0.3054, 0.4228



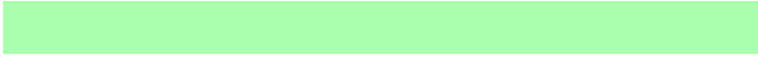
83.1612, 0.2210, 0.2412



83.1612, 0.4164, 0.3296

Complementary

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



83.1612, 0.3054, 0.4228



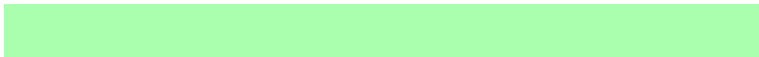
56.8866, 0.3206, 0.2503

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.



83.1612, 0.3711, 0.2871



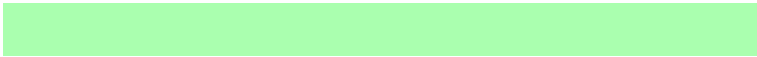
83.1612, 0.3054, 0.4228



83.1612, 0.2571, 0.2381

Square

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



83.1612, 0.3054, 0.4228



83.1612, 0.2076, 0.2668



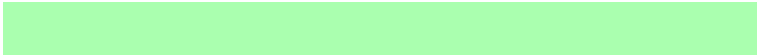
83.1612, 0.3113, 0.2547



83.1612, 0.4300, 0.3751

Rectangle

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



83.1612, 0.3054, 0.4228



83.1612, 0.2274, 0.3343



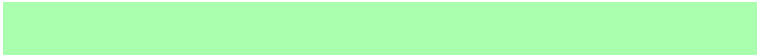
83.1612, 0.3113, 0.2547



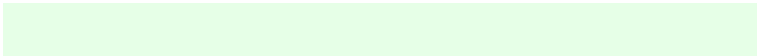
83.1612, 0.4042, 0.3147

Sweetspot

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



83.1569, 0.3054, 0.4228



94.0314, 0.3106, 0.3534



94.8827, 0.3603, 0.4133



19.9610, 0.3103, 0.3571



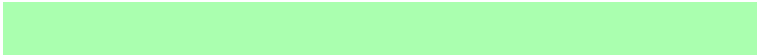
0.0000, 0.0000, 0.0000



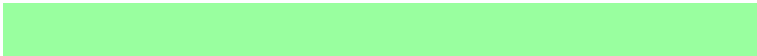
21.4041, 0.3127, 0.3290

Same Dimension

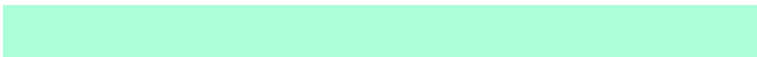
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1569, 0.3054, 0.4228



80.7991, 0.3039, 0.4452



85.0558, 0.2839, 0.3725



20.1858, 0.3107, 0.3521



37.3959, 0.2990, 0.5964



3.6470, 0.2966, 0.5879

Inverse Universe

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



56.8866, 0.3206, 0.2503



50.8756, 0.3223, 0.2352



54.5550, 0.3557, 0.2896



18.2805, 0.3147, 0.3070



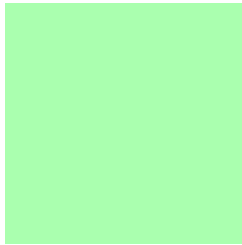
14.3963, 0.3365, 0.1628



1.4072, 0.3346, 0.1617

Previews

White Background



This preview shows how the Yxy color 83.1612, 0.3054, 0.4228 looks on a white background.

Color Contrast Check

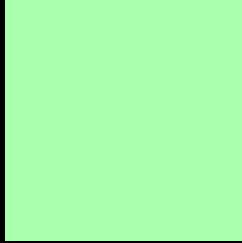
Large Text (above 18pt) WCAG AA × Fail

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 83.1612, 0.3054, 0.4228 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

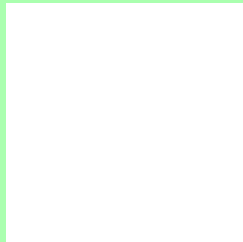
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1612, 0.3054, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 83.1612, 0.3054, 0.4228.

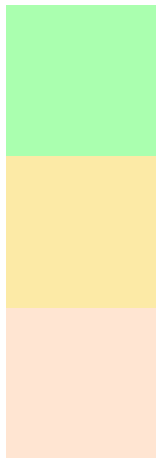


This preview shows how white text looks on a background with the Yxy color 83.1612, 0.3054, 0.4228.

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

83.1612, 0.3054, 0.4228

Protanopia

82.2943, 0.3699, 0.3982

Deuteranopia

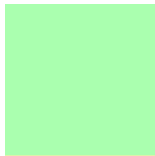
81.9518, 0.3437, 0.3482



Tritanopia

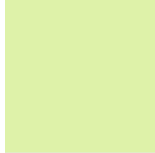
82.6872, 0.2806, 0.3141

Trichromacy



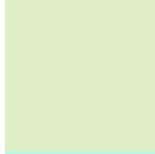
Original Color

83.1612, 0.3054, 0.4228



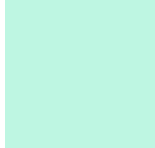
Protanomaly

81.8984, 0.3441, 0.4082



Deuteranomaly

81.0276, 0.3288, 0.3732



Tritanomaly

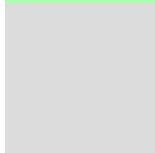
82.3497, 0.2896, 0.3511

Monochromacy



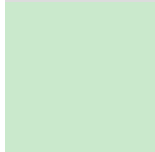
Original Color

83.1612, 0.3054, 0.4228



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.1940, 0.3098, 0.3618

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1612, 0.3054, 0.4228 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(170, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 175) }
```

Border

The CSS property to change the border of an element to Yxy 83.1612, 0.3054, 0.4228 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(170, 255, 175) }
```

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

```
.border{ border-color:rgb(170, 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(170, 255, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1612, 0.3054, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 175) }
```

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

```
.background{ background-color: rgb(170,  
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](#).

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