

Converting Colors

Yxy(83.2413, 0.3056, 0.4224)

Have a look what the booklet for
Yxy(83.2413, 0.3056, 0.4224)
contains.

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Color

Yxy(83.2731, 0.3060, 0.4227)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFAF
RGB	171, 255, 175
RGB Percent	67%, 100%, 69%
CMY	0.3296, 0.0000, 0.3138
CMYK	0.33, 0.00, 0.31, 0.00
HSL	123°, 100%, 84%
HSV	123°, 33%, 100%
XYZ	60.2829, 83.2731, 53.4469
YIQ	220.7640, -24.3840, -42.6880

Conversions

Conversions Part 2

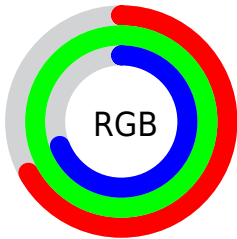
Format	Color
RYB	171, 251, 255
Decimal	11272111
CIELab	93.13, -40.81, 30.39
CIElCh	93, 50.888, 143.324
Yxy	83.2731, 0.3060, 0.4227
Android (android.graphics.Color)	4289462191 (0xFFABFFAF)
YUV	220.7640, -22.5617, -43.6430
Hunter-Lab	91.2541, -41.7768, 29.1521

Details

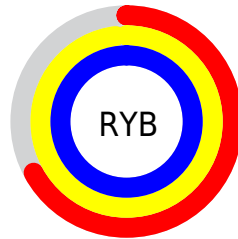
The Yxy color **83.2731, 0.3060, 0.4227** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.3287, 0.3197, 0.2504**, and the grayscale version is **72.2932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7835, 0.3097, 0.3535**, and **45.5063, 0.3031, 0.4462** is the 20% darker color. If you saturate the color by 10%, you get **79.8057, 0.3039, 0.4570**, and if you desaturate by 10%, it is **87.4517, 0.3081, 0.3906**.

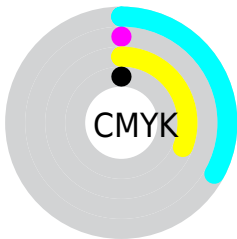
Distribution



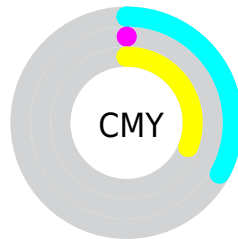
- Red (67%)
- Green (100%)
- Blue (69%)



- 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 83.2731, 0.3060, 0.4227 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 83.2731, 0.3060, 0.4227 by changing the saturation by 10% instead.

 83.2731, 0.3060,
0.4227

 83.2731, 0.3060,
0.4227

505.8962, 0.3104,
0.3780

 62.4155, 0.3047,
0.4332


 137.9579, 0.3078,
0.4069

 45.3685, 0.3028,
0.4463


172.5538, 0.3084,
0.4009

 31.7478, 0.3003,
0.4630


212.4980, 0.3089,
0.3957

 21.1689, 0.2964,
0.4852

258.1748, 0.3093,
0.3912

 13.2475, 0.2903,
0.5156

309.9687, 0.3097,
0.3873

 7.5992, 0.2798,
0.5596

368.2639, 0.3099,

 3.8396, 0.2609,

0.3838

433.4450, 0.3102,
0.3807

0.6302

■ 1.5842, 0.1958,
0.8042

■ 0.3469, 0.0000,
1.0000

■ 83.2731, 0.3060,
0.4227

■ 83.2731, 0.3060,
0.4227

■ 79.8057, 0.3039,
0.4570

■ 87.4517, 0.3081,
0.3906

■ 77.0272, 0.3020,
0.4919

■ 92.3982, 0.3102,
0.3616

■ 74.8861, 0.3005,
0.5254

■ 98.1413, 0.3122,
0.3360

■ 73.3319, 0.2995,
0.5548

100.0000, 0.3127,
0.3290

■ 72.3061, 0.2991,
0.5777

■ 71.7385, 0.2992,
0.5924

■ 71.5472, 0.2994,
0.5980

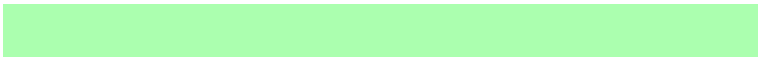
Harmonies

Analogous

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



83.2731, 0.3630, 0.4356



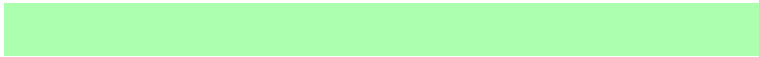
83.2731, 0.3060, 0.4227



83.2731, 0.2536, 0.3752

Triad

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



83.2731, 0.3060, 0.4227



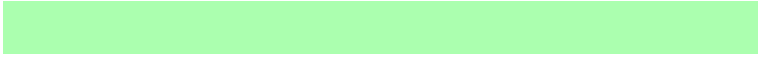
83.2731, 0.2211, 0.2417



83.2731, 0.4157, 0.3292

Complementary

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



83.2731, 0.3060, 0.4227



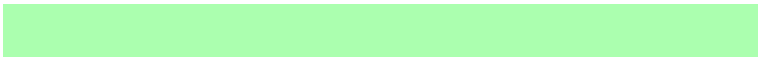
57.3287, 0.3197, 0.2504

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.



83.2731, 0.3704, 0.2869



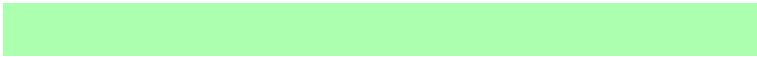
83.2731, 0.3060, 0.4227



83.2731, 0.2569, 0.2383

Square

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



83.2731, 0.3060, 0.4227



83.2731, 0.2080, 0.2674



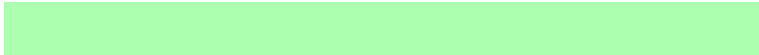
83.2731, 0.3107, 0.2547



83.2731, 0.4296, 0.3746

Rectangle

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



83.2731, 0.3060, 0.4227



83.2731, 0.2280, 0.3349



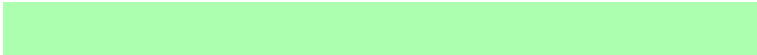
83.2731, 0.3107, 0.2547



83.2731, 0.4034, 0.3144

Sweetspot

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



83.2668, 0.3060, 0.4227



94.0144, 0.3108, 0.3537



95.1908, 0.3607, 0.4121



19.9569, 0.3105, 0.3574



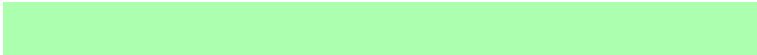
0.0000, 0.0000, 0.0000



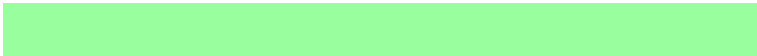
21.4041, 0.3127, 0.3290

Same Dimension

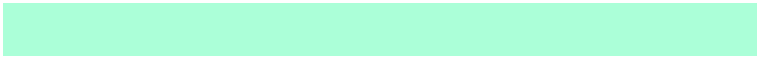
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2668, 0.3060, 0.4227



80.7576, 0.3045, 0.4466



85.1184, 0.2849, 0.3736



20.1823, 0.3109, 0.3524



37.3909, 0.2992, 0.5971



3.6454, 0.2973, 0.5902

Inverse Universe

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



57.3287, 0.3197, 0.2504



50.9506, 0.3214, 0.2342



55.0280, 0.3538, 0.2887



18.2844, 0.3145, 0.3067



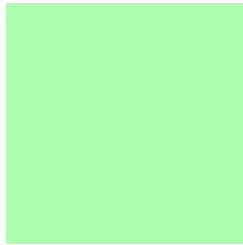
14.4884, 0.3334, 0.1610



1.4152, 0.3318, 0.1602

Previews

White Background



This preview shows how the Yxy color 83.2731, 0.3060, 0.4227 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 83.2731, 0.3060, 0.4227 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

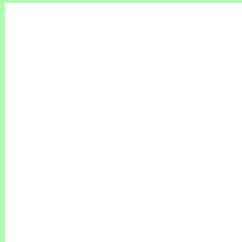
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2731, 0.3060, 0.4227

Background



This preview shows how black text looks on a background with the Yxy color 83.2731, 0.3060, 0.4227.

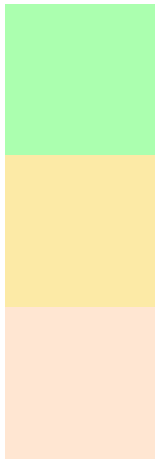


This preview shows how white text looks on a background with the Yxy color 83.2731, 0.3060, 0.4227.

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

83.2731, 0.3060, 0.4227

Protanopia

82.2943, 0.3699, 0.3982

Deuteranopia

82.5068, 0.3435, 0.3492



Tritanopia

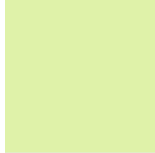
82.8271, 0.2812, 0.3142

Trichromacy



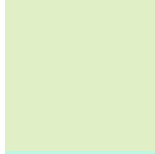
Original Color

83.2731, 0.3060, 0.4227



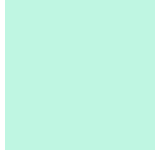
Protanomaly

82.0568, 0.3448, 0.4080



Deuteranomaly

81.6115, 0.3287, 0.3742



Tritanomaly

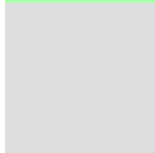
82.4789, 0.2902, 0.3511

Monochromacy



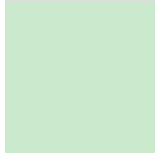
Original Color

83.2731, 0.3060, 0.4227



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.3340, 0.3105, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2731, 0.3060, 0.4227 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(171, 255, 175)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 255, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 175) }
```

Border

The CSS property to change the border of an element to Yxy 83.2731, 0.3060, 0.4227 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(171, 255, 175) }
```

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

```
.border{ border-color:rgb(171, 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(171, 255, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 175);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2731, 0.3060, 0.4227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 175) }
```

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

```
.background{ background-color: rgb(171,  
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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