

Converting Colors

$Yxy(84.0672, 0.3112, 0.4233)$

Have a look what the booklet for
Yxy(84.0672, 0.3112, 0.4233)
contains.

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Color

Yxy(84.0021, 0.3112, 0.4239)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFAD
RGB	178, 255, 173
RGB Percent	70%, 100%, 68%
CMY	0.3018, 0.0000, 0.3216
CMYK	0.30, 0.00, 0.32, 0.00
HSL	116°, 100%, 84%
HSV	116°, 32%, 100%
XYZ	61.6689, 84.0021, 52.4939
YIQ	222.6290, -19.5700, -41.8260

Conversions

Conversions Part 2

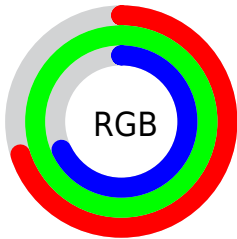
Format	Color
RYB	173, 255, 250
Decimal	11730861
CIELab	93.45, -38.91, 31.89
CIELCh	93, 50.309, 140.670
Yxy	84.0021, 0.3112, 0.4239
Android (android.graphics.Color)	4289920941 (0xFFB2FFAD)
YUV	222.6290, -24.4671, -39.1396
Hunter-Lab	91.6527, -40.2876, 30.1986

Details

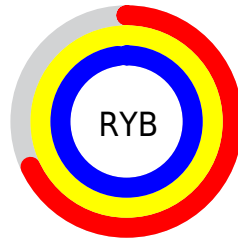
The Yxy color **84.0021, 0.3112, 0.4239** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **57.4190, 0.3125, 0.2478**, and the grayscale version is **73.7093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8393, 0.3152, 0.3552**, and **45.9552, 0.3093, 0.4476** is the 20% darker color. If you saturate the color by 10%, you get **80.5220, 0.3102, 0.4590**, and if you desaturate by 10%, it is **88.1715, 0.3119, 0.3909**.

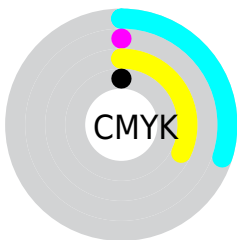
Distribution



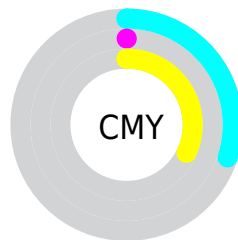
- Red (70%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (98%)



- Cyan (30%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0021, 0.3112, 0.4239 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 84.0021, 0.3112, 0.4239 by changing the saturation by 10% instead.


 84.0021, 0.3112,
0.4239

 84.0021, 0.3112,
0.4239


508.3202, 0.3133,
0.3787

 63.0172, 0.3104,
0.4344


 138.9781, 0.3122,
0.4080

 45.8551, 0.3092,
0.4476


173.7380, 0.3125,
0.4019

 32.1315, 0.3073,
0.4643

213.8583, 0.3127,
0.3967

 21.4620, 0.3044,
0.4864

259.7234, 0.3129,
0.3921

 13.4621, 0.2995,
0.5166

311.7178, 0.3130,
0.3881

 7.7475, 0.2906,
0.5598


370.2258, 0.3131,


 3.9338, 0.2745,


0.3846


0.6298


435.6318, 0.3132,
0.3815


 1.6366, 0.2214,
0.7786


 0.3821, 0.0000,
1.0000


 84.0021, 0.3112,
0.4239

 84.0021, 0.3112,
0.4239


 80.5220, 0.3102,
0.4590

 88.1715, 0.3119,
0.3909

 77.6841, 0.3089,
0.4947

 93.0532, 0.3124,
0.3609

 75.4522, 0.3073,
0.5285

 98.6821, 0.3127,
0.3343

 73.7821, 0.3055,
0.5579

99.9990, 0.3127,
0.3290

■ 72.6236, 0.3036,
0.5801

■ 71.9175, 0.3019,
0.5939

■ 71.6265, 0.3009,
0.5993

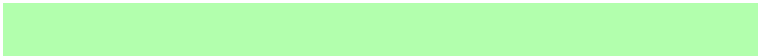
Harmonies

Analogous

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



84.0021, 0.3671, 0.4334



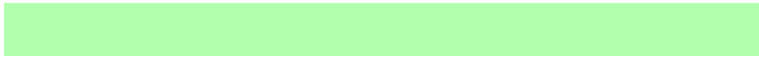
84.0021, 0.3112, 0.4239



84.0021, 0.2584, 0.3796

Triad

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



84.0021, 0.3112, 0.4239



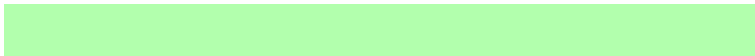
84.0021, 0.2202, 0.2441



84.0021, 0.4113, 0.3253

Complementary

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



84.0021, 0.3112, 0.4239



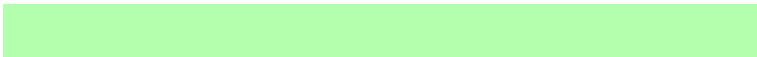
57.4190, 0.3125, 0.2478

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.



84.0021, 0.3646, 0.2841



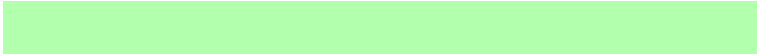
84.0021, 0.3112, 0.4239



84.0021, 0.2537, 0.2389

Square

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



84.0021, 0.3112, 0.4239



84.0021, 0.2093, 0.2716



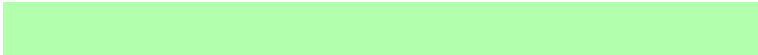
84.0021, 0.3056, 0.2535



84.0021, 0.4282, 0.3702

Rectangle

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



84.0021, 0.3112, 0.4239



84.0021, 0.2319, 0.3401



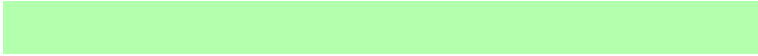
84.0021, 0.3056, 0.2535



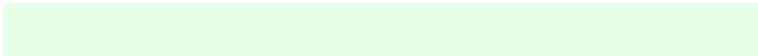
84.0021, 0.3984, 0.3108

Sweetspot

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



84.0057, 0.3112, 0.4239



94.2056, 0.3125, 0.3549



92.3569, 0.3630, 0.4048



20.0027, 0.3124, 0.3588



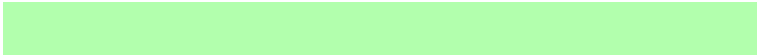
0.0000, 0.0000, 0.0000



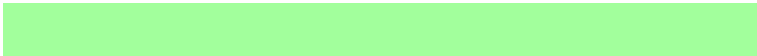
21.4041, 0.3127, 0.3290

Same Dimension

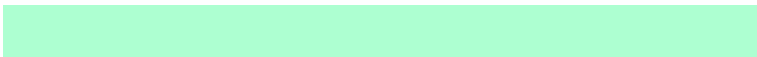
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0057, 0.3112, 0.4239



81.5522, 0.3105, 0.4478



84.9825, 0.2897, 0.3820



20.2215, 0.3125, 0.3535



37.4473, 0.3013, 0.5990



3.6640, 0.3042, 0.5966

Inverse Universe

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



57.4190, 0.3125, 0.2478



50.9635, 0.3122, 0.2310



56.2829, 0.3454, 0.2816



18.2401, 0.3128, 0.3055



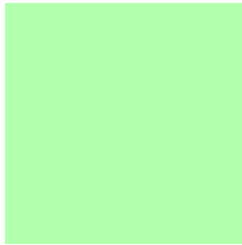
13.4132, 0.3055, 0.1457



1.3226, 0.3074, 0.1467

Previews

White Background



This preview shows how the Yxy color 84.0021, 0.3112, 0.4239 looks on a white background.

Color Contrast Check

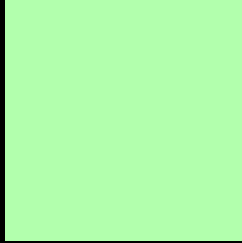
Large Text (above 18pt) WCAG AA × Fail

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 84.0021, 0.3112, 0.4239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

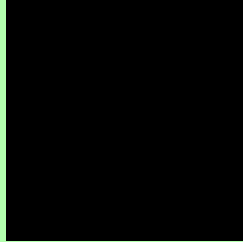
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.0021, 0.3112, 0.4239

Background



This preview shows how black text looks on a background with the Yxy color 84.0021, 0.3112, 0.4239.

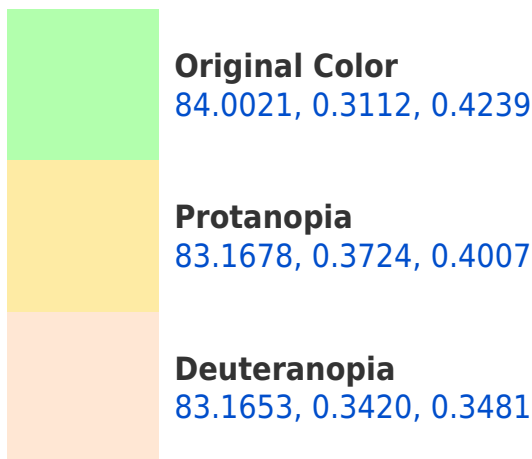


This preview shows how white text looks on a background with the Yxy color 84.0021, 0.3112, 0.4239.

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





Tritanopia

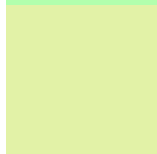
83.5405, 0.2841, 0.3143

Trichromacy



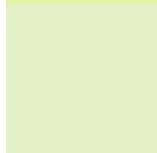
Original Color

84.0021, 0.3112, 0.4239



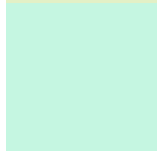
Protanomaly

82.4630, 0.3481, 0.4096



Deuteranomaly

82.7283, 0.3300, 0.3738



Tritanomaly

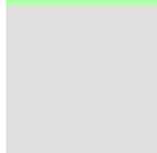
83.2181, 0.2943, 0.3520

Monochromacy



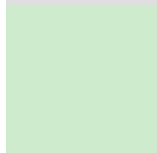
Original Color

84.0021, 0.3112, 0.4239



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.0898, 0.3125, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0021, 0.3112, 0.4239 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(178, 255, 173)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 173)  
}
```

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(178, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 173) }
```

Border

The CSS property to change the border of an element to Yxy 84.0021, 0.3112, 0.4239 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(178, 255, 173) }
```

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

```
.border{ border-color:rgb(178, 255, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 173);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0021, 0.3112, 0.4239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 173) }
```

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

```
.background{ background-color: rgb(178,  
255, 173) }
```

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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