

Converting Colors

$Y_{xy}(100.0000, 0.3102, 0.4381)$

Have a look what the booklet for
Yxy(100.0000, 0.3102, 0.4381)
contains.

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Color

Yxy(84.8016, 0.3115, 0.4172)

Conversions

Conversions Part 1

Format	Color
Hex	B7FFB2
RGB	183, 255, 178
RGB Percent	72%, 100%, 70%
CMY	0.2825, 0.0000, 0.3020
CMYK	0.28, 0.00, 0.30, 0.00
HSL	116°, 100%, 85%
HSV	116°, 30%, 100%
XYZ	63.3166, 84.8016, 55.1454
YIQ	224.6940, -18.1950, -39.2110

Conversions

Conversions Part 2

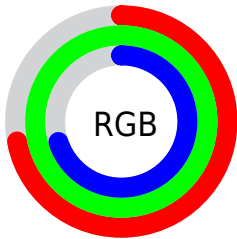
Format	Color
RYB	178, 255, 250
Decimal	12058546
CIELab	93.80, -36.59, 29.88
CIELCh	94, 47.240, 140.756
Yxy	84.8016, 0.3115, 0.4172
Android (android.graphics.Color)	4290248626 (0xFFB7FFB2)
YUV	224.6940, -23.0201, -36.5656
Hunter-Lab	92.0878, -38.4227, 28.9565

Details

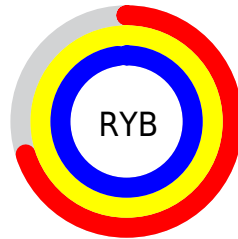
The Yxy color **84.8016, 0.3115, 0.4172** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.3874, 0.3124, 0.2527**, and the grayscale version is **75.2321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9858, 0.3155, 0.3499**, and **46.4580, 0.3097, 0.4387** is the 20% darker color. If you saturate the color by 10%, you get **81.1851, 0.3106, 0.4520**, and if you desaturate by 10%, it is **89.0943, 0.3121, 0.3847**.

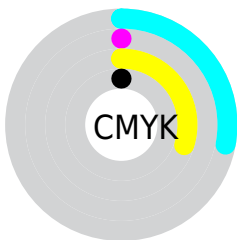
Distribution



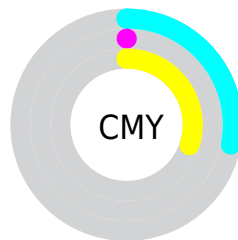
- Red (72%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (98%)



- Cyan (28%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.8016, 0.3115, 0.4172 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 84.8016, 0.3115, 0.4172 by changing the saturation by 10% instead.


 84.8016, 0.3115,
0.4172

 84.8016, 0.3115,
0.4172


510.9713, 0.3132,
0.3754

 63.6775, 0.3108,
0.4269


 140.0959, 0.3123,
0.4025

 46.3895, 0.3098,
0.4390


175.0349, 0.3126,
0.3969

 32.5533, 0.3082,
0.4544


215.3477, 0.3128,
0.3920

 21.7845, 0.3058,
0.4747

261.4186, 0.3129,
0.3878

 13.6986, 0.3017,
0.5024

313.6320, 0.3131,
0.3841

 7.9113, 0.2942,
0.5422


372.3723, 0.3131,


 4.0383, 0.2795,


0.3809


0.6039


438.0240, 0.3132,
0.3780


 1.6950, 0.2479,
0.7521


 0.4204, 0.0000,
1.0000


 84.8016, 0.3115,
0.4172

 84.8016, 0.3115,
0.4172


 81.1851, 0.3106,
0.4520

 89.0943, 0.3121,
0.3847


 78.2241, 0.3094,
0.4877

 94.1109, 0.3125,
0.3554

 75.8747, 0.3078,
0.5221

 99.8774, 0.3127,
0.3295

 74.0943, 0.3061,
0.5525

 100.0000, 0.3127,
0.3290

■ 72.8342, 0.3042,
0.5763

■ 72.0380, 0.3024,
0.5918

■ 71.6342, 0.3010,
0.5992

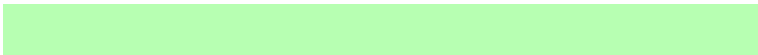
Harmonies

Analogous

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



84.8016, 0.3640, 0.4267



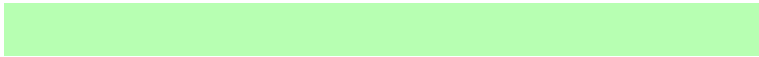
84.8016, 0.3115, 0.4172



84.8016, 0.2618, 0.3760

Triad

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



84.8016, 0.3115, 0.4172



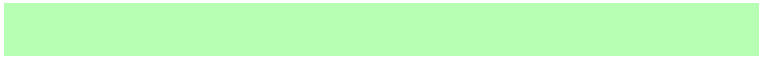
84.8016, 0.2256, 0.2492



84.8016, 0.4050, 0.3261

Complementary

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



84.8016, 0.3115, 0.4172



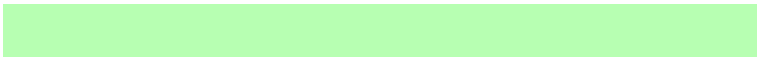
59.3874, 0.3124, 0.2527

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.



84.8016, 0.3615, 0.2869



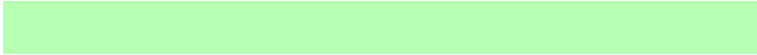
84.8016, 0.3115, 0.4172



84.8016, 0.2574, 0.2440

Square

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



84.8016, 0.3115, 0.4172



84.8016, 0.2152, 0.2754



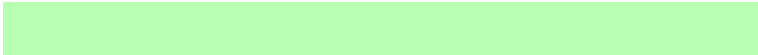
84.8016, 0.3064, 0.2578



84.8016, 0.4209, 0.3685

Rectangle

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



84.8016, 0.3115, 0.4172



84.8016, 0.2368, 0.3395



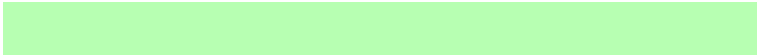
84.8016, 0.3064, 0.2578



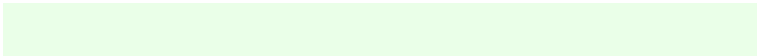
84.8016, 0.3930, 0.3123

Sweetspot

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



84.7967, 0.3115, 0.4172



94.7622, 0.3125, 0.3521



92.7621, 0.3599, 0.4002



20.1142, 0.3125, 0.3561



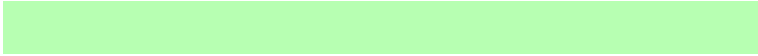
0.0000, 0.0000, 0.0000



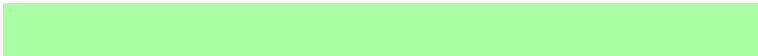
21.4041, 0.3127, 0.3290

Same Dimension

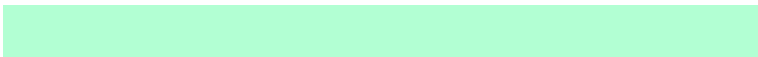
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7967, 0.3115, 0.4172



82.6203, 0.3110, 0.4372



85.7054, 0.2910, 0.3783



20.2241, 0.3125, 0.3535



37.4514, 0.3013, 0.5989



3.6652, 0.3045, 0.5965

Inverse Universe

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



59.3874, 0.3124, 0.2527



53.6391, 0.3121, 0.2382



58.3519, 0.3428, 0.2846



18.2372, 0.3128, 0.3055



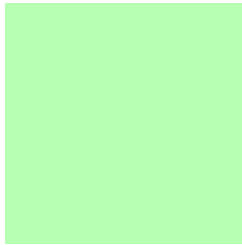
13.3453, 0.3047, 0.1452



1.3167, 0.3067, 0.1463

Previews

White Background



This preview shows how the Yxy color 84.8016, 0.3115, 0.4172 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 84.8016, 0.3115, 0.4172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

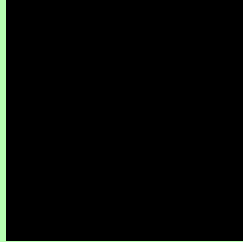
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

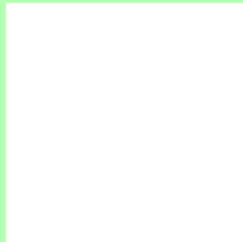
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.8016, 0.3115, 0.4172

Background



This preview shows how black text looks on a background with the Yxy color 84.8016, 0.3115, 0.4172.

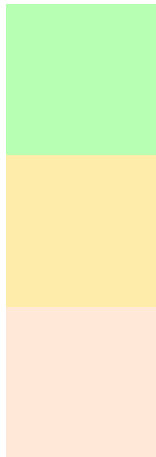


This preview shows how white text looks on a background with the Yxy color 84.8016, 0.3115, 0.4172.

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

84.8016, 0.3115, 0.4172

Protanopia

83.9640, 0.3682, 0.3957

Deuteranopia

83.8795, 0.3398, 0.3461



Tritanopia

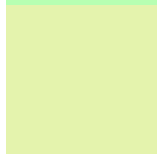
84.7213, 0.2865, 0.3154

Trichromacy



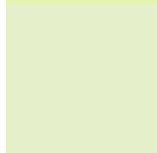
Original Color

84.8016, 0.3115, 0.4172



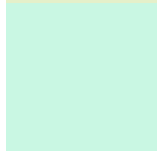
Protanomaly

83.6123, 0.3457, 0.4037



Deuteranomaly

83.2425, 0.3289, 0.3693



Tritanomaly

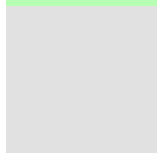
84.4851, 0.2956, 0.3507

Monochromacy



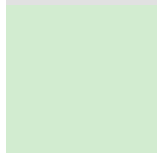
Original Color

84.8016, 0.3115, 0.4172



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2466, 0.3126, 0.3599

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8016, 0.3115, 0.4172 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(183, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 178)  
}
```

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(183, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 178) }
```

Border

The CSS property to change the border of an element to Yxy 84.8016, 0.3115, 0.4172 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(183, 255, 178) }
```

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

```
.border{ border-color:rgb(183, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8016, 0.3115, 0.4172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 178) }
```

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

```
.background{ background-color: rgb(183,  
255, 178) }
```

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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