

Converting Colors

Yxy(84.9004, 0.3116, 0.4164)

Have a look what the booklet for
Yxy(84.9004, 0.3116, 0.4164)
contains.

Yxy(84.9650, 0.3116, 0.4158)	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(84.9650, 0.3116, 0.4158)

Conversions

Conversions Part 1

Format	Color
Hex	B8FFB3
RGB	184, 255, 179
RGB Percent	72%, 100%, 70%
CMY	0.2783, 0.0000, 0.2979
CMYK	0.28, 0.00, 0.30, 0.00
HSL	116°, 100%, 85%
HSV	116°, 30%, 100%
XYZ	63.6727, 84.9650, 55.7034
YIQ	225.1070, -17.9200, -38.6880

Conversions

Conversions Part 2

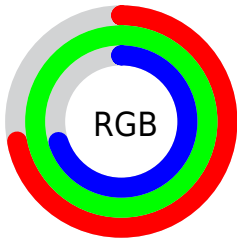
Format	Color
RYB	179, 255, 250
Decimal	12124083
CIELab	93.87, -36.07, 29.47
CIElCh	94, 46.580, 140.752
Yxy	84.9650, 0.3116, 0.4158
Android (android.graphics.Color)	4290314163 (0xFFB8FFB3)
YUV	225.1070, -22.7308, -36.0508
Hunter-Lab	92.1765, -38.0065, 28.6938

Details

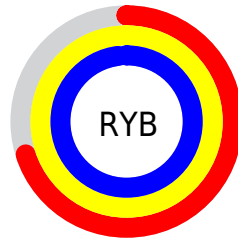
The Yxy color **84.9650, 0.3116, 0.4158** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.7899, 0.3123, 0.2537**, and the grayscale version is **75.5611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2189, 0.3155, 0.3488**, and **46.5617, 0.3098, 0.4369** is the 20% darker color. If you saturate the color by 10%, you get **81.3316, 0.3107, 0.4505**, and if you desaturate by 10%, it is **89.2915, 0.3122, 0.3835**.

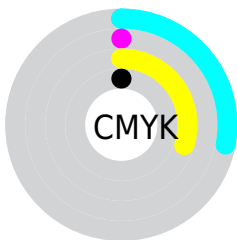
Distribution



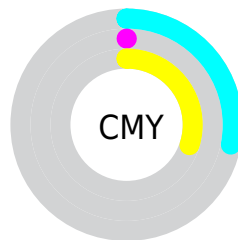
- Red (72%)
- Green (100%)
- Blue (70%)



- 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 84.9650, 0.3116, 0.4158 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 84.9650, 0.3116, 0.4158 by changing the saturation by 10% instead.


 84.9650, 0.3116,
0.4158

 84.9650, 0.3116,
0.4158


511.5122, 0.3133,
0.3747

 63.8125, 0.3109,
0.4254


 140.3243, 0.3124,
0.4014

 46.4988, 0.3100,
0.4372


175.2998, 0.3127,
0.3958

 32.6396, 0.3085,
0.4524


215.6518, 0.3128,
0.3911

 21.8505, 0.3061,
0.4723

261.7646, 0.3130,
0.3869

 13.7471, 0.3022,
0.4995

314.0227, 0.3131,
0.3833

 7.9450, 0.2950,
0.5385


372.8104, 0.3132,


 4.0598, 0.2807,


0.3801


0.5988


438.5121, 0.3132,
0.3773


 1.7070, 0.2532,
0.7468


 0.4282, 0.0000,
1.0000


 84.9650, 0.3116,
0.4158


 84.9650, 0.3116,
0.4158

 81.3316, 0.3107,
0.4505


 89.2915, 0.3122,
0.3835

 78.3453, 0.3095,
0.4862

 94.3331, 0.3126,
0.3543

 75.9711, 0.3080,
0.5207

99.9976, 0.3127,
0.3290

 74.1666, 0.3062,
0.5513

■ 72.8838, 0.3043,
0.5754

■ 72.0667, 0.3025,
0.5913

■ 71.6410, 0.3010,
0.5991

■ 71.6352, 0.3010,
0.5992

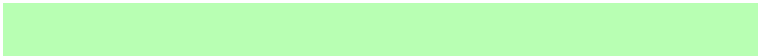
Harmonies

Analogous

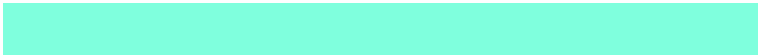
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9650, 0.3634, 0.4252



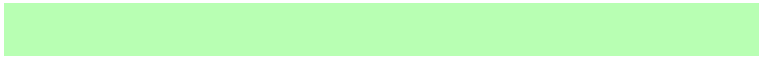
84.9650, 0.3116, 0.4158



84.9650, 0.2626, 0.3753

Triad

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



84.9650, 0.3116, 0.4158



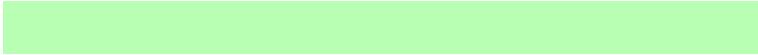
84.9650, 0.2268, 0.2503



84.9650, 0.4037, 0.3262

Complementary

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



84.9650, 0.3116, 0.4158



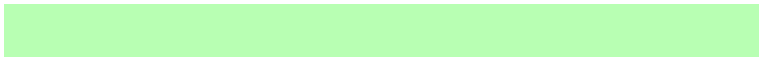
59.7899, 0.3123, 0.2537

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.



84.9650, 0.3608, 0.2875



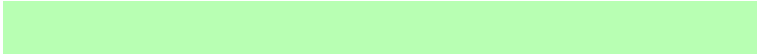
84.9650, 0.3116, 0.4158



84.9650, 0.2582, 0.2451

Square

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



84.9650, 0.3116, 0.4158



84.9650, 0.2165, 0.2762



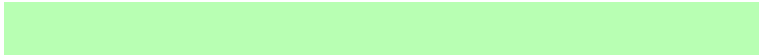
84.9650, 0.3065, 0.2587



84.9650, 0.4193, 0.3681

Rectangle

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



84.9650, 0.3116, 0.4158



84.9650, 0.2378, 0.3394



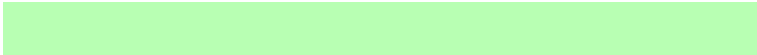
84.9650, 0.3065, 0.2587



84.9650, 0.3918, 0.3126

Sweetspot

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



84.9686, 0.3116, 0.4158



94.7680, 0.3126, 0.3521



92.8435, 0.3592, 0.3992



20.1156, 0.3125, 0.3561



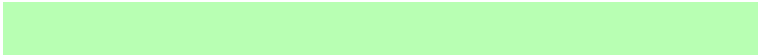
0.0000, 0.0000, 0.0000



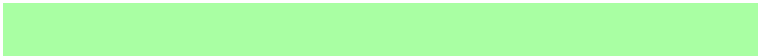
21.4041, 0.3127, 0.3290

Same Dimension

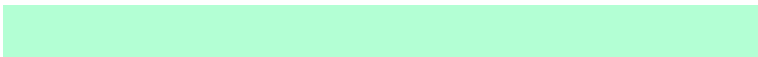
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9686, 0.3116, 0.4158



82.6355, 0.3111, 0.4371



85.8549, 0.2912, 0.3775



20.2254, 0.3126, 0.3535



37.4535, 0.3014, 0.5989



3.6658, 0.3046, 0.5964

Inverse Universe

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



59.7899, 0.3123, 0.2537



53.6139, 0.3120, 0.2382



58.7871, 0.3423, 0.2852



18.2357, 0.3127, 0.3055



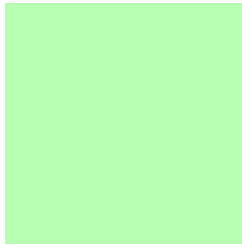
13.3113, 0.3044, 0.1450



1.3137, 0.3064, 0.1461

Previews

White Background



This preview shows how the Yxy color 84.9650, 0.3116, 0.4158 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 84.9650, 0.3116, 0.4158 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

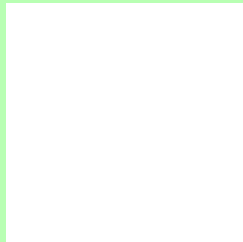
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9650, 0.3116, 0.4158

Background



This preview shows how black text looks on a background with the Yxy color 84.9650, 0.3116, 0.4158.

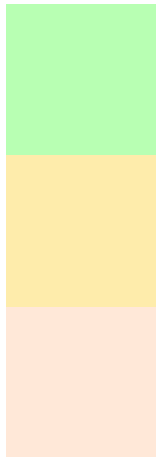


This preview shows how white text looks on a background with the Yxy color 84.9650, 0.3116, 0.4158.

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

84.9650, 0.3116, 0.4158

Protanopia

84.0020, 0.3675, 0.3947

Deuteranopia

83.9311, 0.3391, 0.3451



Tritanopia

84.7213, 0.2865, 0.3154

Trichromacy



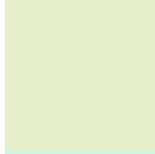
Original Color

84.9650, 0.3116, 0.4158



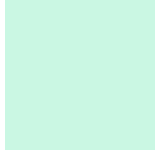
Protanomaly

83.8152, 0.3458, 0.4025



Deuteranomaly

83.2900, 0.3283, 0.3682



Tritanomaly

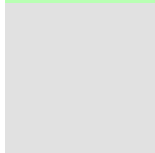
84.6241, 0.2962, 0.3506

Monochromacy



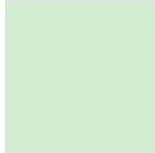
Original Color

84.9650, 0.3116, 0.4158



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 84.9650, 0.3116, 0.4158 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(184, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 179)  
}
```

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(184, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 84.9650, 0.3116, 0.4158 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(184, 255, 179) }
```

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

```
.border{ border-color:rgb(184, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9650, 0.3116, 0.4158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 179) }
```

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

```
.background{ background-color: rgb(184,  
255, 179) }
```

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