

Converting Colors

Yxy(84.4922, 0.3173, 0.4289)

Have a look what the booklet for
Yxy(84.4922, 0.3173, 0.4289)
contains.

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Color

Yxy(84.5375, 0.3174, 0.4287)

Conversions

Conversions Part 1

Format	Color
Hex	B8FFA8
RGB	184, 255, 168
RGB Percent	72%, 100%, 66%
CMY	0.2786, 0.0000, 0.3411
CMYK	0.28, 0.00, 0.34, 0.00
HSL	109°, 100%, 83%
HSV	109°, 34%, 100%
XYZ	62.5897, 84.5375, 50.0678
YIQ	223.8530, -14.3890, -42.1090

Conversions

Conversions Part 2

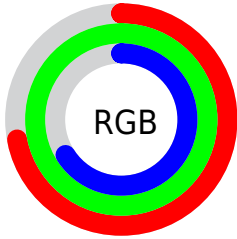
Format	Color
RYB	168, 255, 239
Decimal	12124072
CIELab	93.68, -37.77, 34.74
CIElCh	94, 51.318, 137.394
Yxy	84.5375, 0.3174, 0.4287
Android (android.graphics.Color)	4290314152 (0xFFB8FFA8)
YUV	223.8530, -27.5355, -34.9511
Hunter-Lab	91.9443, -39.3913, 32.0749

Details

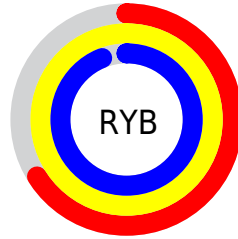
The Yxy color **84.5375, 0.3174, 0.4287** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.5869, 0.3039, 0.2407**, and the grayscale version is **74.6317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7791, 0.3226, 0.3599**, and **46.2931, 0.3168, 0.4535** is the 20% darker color. If you saturate the color by 10%, you get **81.2903, 0.3178, 0.4628**, and if you desaturate by 10%, it is **88.3423, 0.3164, 0.3962**.

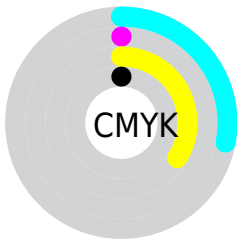
Distribution



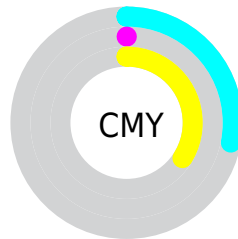
- Red (72%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (94%)



- Cyan (28%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5375, 0.3174, 0.4287 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 84.5375, 0.3174, 0.4287 by changing the saturation by 10% instead.


 84.5375, 0.3174,
0.4287

 84.5375, 0.3174,
0.4287


510.0964, 0.3168,
0.3814

 63.4593, 0.3171,
0.4397

 139.7268, 0.3175,
0.4121

 46.2129, 0.3165,
0.4534


174.6067, 0.3175,
0.4057

 32.4138, 0.3155,
0.4708


214.8560, 0.3174,
0.4002

 21.6778, 0.3134,
0.4935

260.8590, 0.3173,
0.3954

 13.6203, 0.3096,
0.5245

313.0001, 0.3172,
0.3913

 7.8571, 0.3018,
0.5683


371.6638, 0.3171,


 4.0036, 0.2890,


0.3876


0.6427

437.2345, 0.3169,
0.3843


 1.6756, 0.2361,
0.7639


 0.4078, 0.0000,
1.0000


 84.5375, 0.3174,
0.4287

 84.5375, 0.3174,
0.4287


 81.2903, 0.3178,
0.4628


 88.3423, 0.3164,
0.3962

 78.5840, 0.3174,
0.4970

 92.7411, 0.3151,
0.3662

 76.3854, 0.3160,
0.5291

 97.7541, 0.3134,
0.3392

 74.6617, 0.3138,
0.5568

100.0000, 0.3127,
0.3290

■ 73.3760, 0.3107,
0.5779

■ 72.4854, 0.3071,
0.5913

■ 72.1191, 0.3051,
0.5959

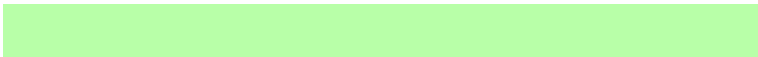
Harmonies

Analogous

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



84.5375, 0.3737, 0.4340



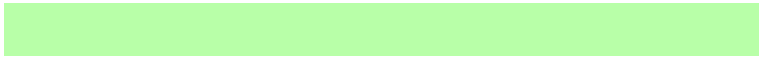
84.5375, 0.3174, 0.4287



84.5375, 0.2627, 0.3867

Triad

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



84.5375, 0.3174, 0.4287



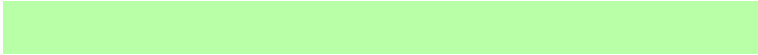
84.5375, 0.2164, 0.2446



84.5375, 0.4092, 0.3203

Complementary

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



84.5375, 0.3174, 0.4287



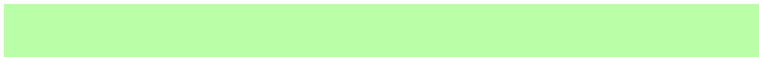
53.5869, 0.3039, 0.2407

Split Complementary

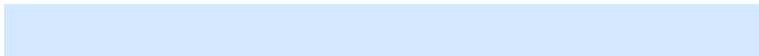
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5375, 0.3592, 0.2794



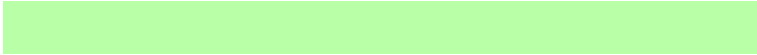
84.5375, 0.3174, 0.4287



84.5375, 0.2480, 0.2370

Square

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



84.5375, 0.3174, 0.4287



84.5375, 0.2079, 0.2750



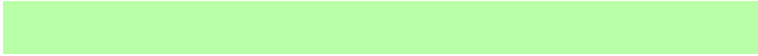
84.5375, 0.2990, 0.2498



84.5375, 0.4301, 0.3658

Rectangle

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



84.5375, 0.3174, 0.4287



84.5375, 0.2343, 0.3469



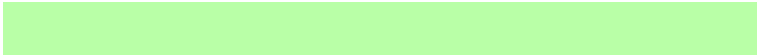
84.5375, 0.2990, 0.2498



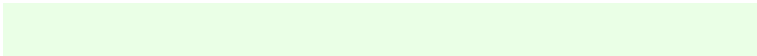
84.5375, 0.3950, 0.3058

Sweetspot

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



84.5339, 0.3174, 0.4287



94.7277, 0.3144, 0.3547



85.0051, 0.3697, 0.3989



20.1278, 0.3146, 0.3586



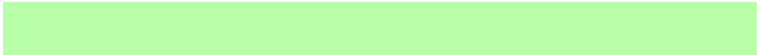
0.0000, 0.0000, 0.0000



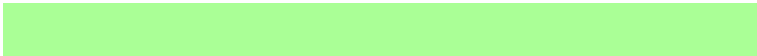
21.4041, 0.3127, 0.3290

Same Dimension

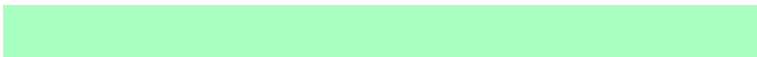
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.5339, 0.3174, 0.4287



82.2413, 0.3177, 0.4521



83.7457, 0.2944, 0.3999



20.3284, 0.3143, 0.3534



37.7295, 0.3058, 0.5954



3.7146, 0.3124, 0.5901

Inverse Universe

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



53.5869, 0.3039, 0.2407



46.9788, 0.3014, 0.2228



54.9206, 0.3379, 0.2675



18.1220, 0.3108, 0.3054



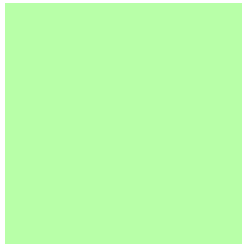
10.8571, 0.2748, 0.1287



1.0989, 0.2803, 0.1318

Previews

White Background



This preview shows how the Yxy color 84.5375, 0.3174, 0.4287 looks on a white background.

Color Contrast Check

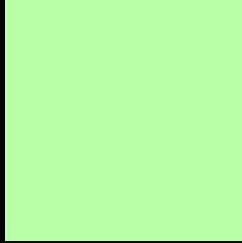
Large Text (above 18pt) WCAG AA × Fail

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 84.5375, 0.3174, 0.4287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

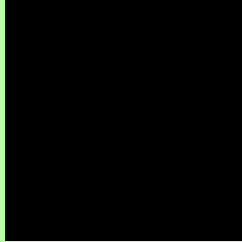
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.5375, 0.3174, 0.4287

Background



This preview shows how black text looks on a background with the Yxy color 84.5375, 0.3174, 0.4287.

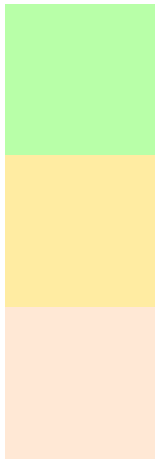


This preview shows how white text looks on a background with the Yxy color 84.5375, 0.3174, 0.4287.

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

84.5375, 0.3174, 0.4287

Protanopia

83.8595, 0.3740, 0.4034

Deuteranopia

83.7773, 0.3411, 0.3481



Tritanopia

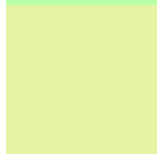
84.1276, 0.2865, 0.3144

Trichromacy



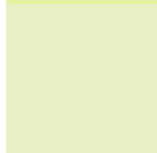
Original Color

84.5375, 0.3174, 0.4287



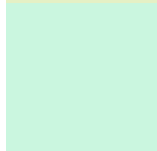
Protanomaly

83.4395, 0.3518, 0.4131



Deuteranomaly

83.0094, 0.3320, 0.3747



Tritanomaly

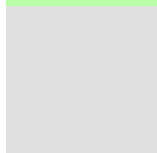
83.7958, 0.2984, 0.3540

Monochromacy



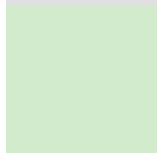
Original Color

84.5375, 0.3174, 0.4287



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

77.3316, 0.3144, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5375, 0.3174, 0.4287 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 168) }
```

Border

The CSS property to change the border of an element to Yxy 84.5375, 0.3174, 0.4287 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, 168) }
```

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

```
.border{ border-color:rgb(184, 255, 168) }
```

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, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5375, 0.3174, 0.4287 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, 168) }
```

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

```
.background{ background-color: rgb(184,  
255, 168) }
```

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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