

Converting Colors

$Yxy(92.7594, 0.3228, 0.4458)$

Have a look what the booklet for
Yxy(92.7594, 0.3228, 0.4458)
contains.

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Color

Yxy(84.9120, 0.3242, 0.4357)

Conversions

Conversions Part 1

Format	Color
Hex	BDFFA1
RGB	189, 255, 161
RGB Percent	74%, 100%, 63%
CMY	0.2588, 0.0000, 0.3685
CMYK	0.26, 0.00, 0.37, 0.00
HSL	102°, 100%, 82%
HSV	102°, 37%, 100%
XYZ	63.1822, 84.9120, 46.7922
YIQ	224.5500, -9.1620, -43.2260

Conversions

Conversions Part 2

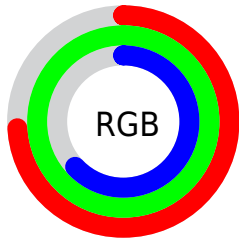
Format	Color
RYB	161, 255, 227
Decimal	12451745
CIELab	93.85, -37.10, 38.46
CIELCh	94, 53.438, 133.968
Yxy	84.9120, 0.3242, 0.4357
Android (android.graphics.Color)	4290641825 (0xFFBDDFA1)
YUV	224.5500, -31.3302, -31.1774
Hunter-Lab	92.1477, -38.8678, 34.3962

Details

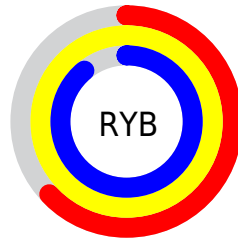
The Yxy color **84.9120, 0.3242, 0.4357** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **49.0573, 0.2943, 0.2310**, and the grayscale version is **75.1922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3039, 0.3299, 0.3667**, and **46.5392, 0.3250, 0.4621** is the 20% darker color. If you saturate the color by 10%, you get **81.9529, 0.3259, 0.4686**, and if you desaturate by 10%, it is **88.3409, 0.3217, 0.4037**.

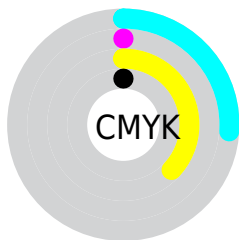
Distribution



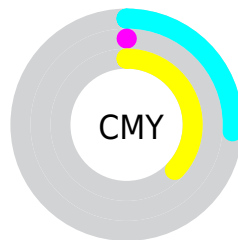
- Red (74%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (89%)



- Cyan (26%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.9120, 0.3242, 0.4357 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 84.9120, 0.3242, 0.4357 by changing the saturation by 10% instead.


 84.9120, 0.3242,
0.4357

 84.9120, 0.3242,
0.4357


511.3368, 0.3208,
0.3852

 63.7687, 0.3245,
0.4474


 140.2502, 0.3234,
0.4180

 46.4633, 0.3245,
0.4619


 175.2139, 0.3230,
0.4112

 32.6116, 0.3241,
0.4802


215.5532, 0.3226,
0.4053

 21.8291, 0.3229,
0.5041

261.6524, 0.3222,
0.4002

 13.7314, 0.3198,
0.5361

313.8960, 0.3218,
0.3957

 7.9341, 0.3126,
0.5808


372.6683, 0.3215,


 4.0528, 0.3046,


0.3918


0.6650


438.3538, 0.3211,
0.3883


 1.7031, 0.2445,
0.7555


 0.4257, 0.0000,
1.0000


 84.9120, 0.3242,
0.4357


 84.9120, 0.3242,
0.4357


 81.9529, 0.3259,
0.4686


 88.3409, 0.3217,
0.4037

 79.4369, 0.3264,
0.5010

 92.2544, 0.3186,
0.3737

 77.3423, 0.3255,
0.5309

 96.6729, 0.3151,
0.3462

 75.6435, 0.3230,
0.5562

100.0000, 0.3127,
0.3290

■ 74.3113, 0.3192,
0.5752

■ 73.3112, 0.3143,
0.5871

■ 73.0526, 0.3128,
0.5899

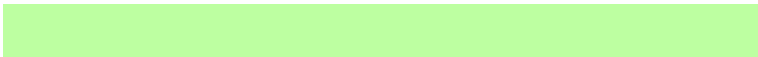
Harmonies

Analogous

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



84.9120, 0.3817, 0.4363



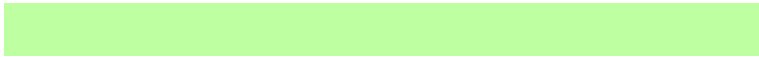
84.9120, 0.3242, 0.4357



84.9120, 0.2665, 0.3957

Triad

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



84.9120, 0.3242, 0.4357



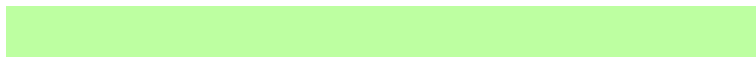
84.9120, 0.2108, 0.2438



84.9120, 0.4083, 0.3145

Complementary

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



84.9120, 0.3242, 0.4357



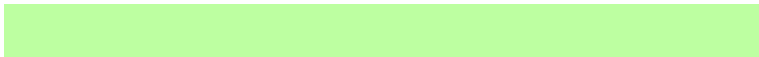
49.0573, 0.2943, 0.2310

Split Complementary

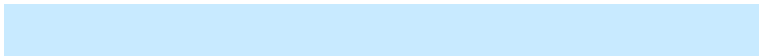
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9120, 0.3539, 0.2734



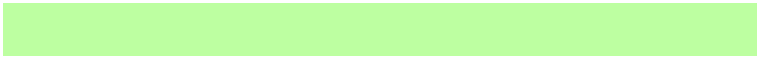
84.9120, 0.3242, 0.4357



84.9120, 0.2407, 0.2336

Square

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



84.9120, 0.3242, 0.4357



84.9120, 0.2048, 0.2778



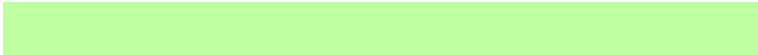
84.9120, 0.2916, 0.2446



84.9120, 0.4341, 0.3613

Rectangle

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



84.9120, 0.3242, 0.4357



84.9120, 0.2357, 0.3549



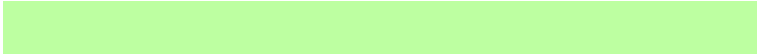
84.9120, 0.2916, 0.2446



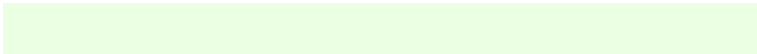
84.9120, 0.3925, 0.2998

Sweetspot

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



84.9138, 0.3242, 0.4357



94.7765, 0.3166, 0.3573



78.6688, 0.3779, 0.3959



20.1576, 0.3171, 0.3610



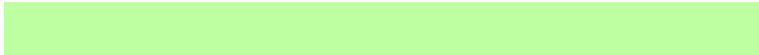
0.0000, 0.0000, 0.0000



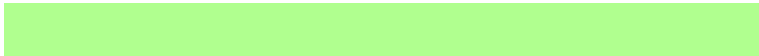
21.4041, 0.3127, 0.3290

Same Dimension

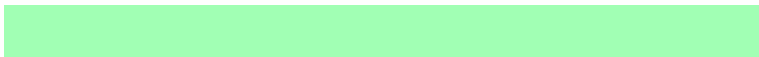
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.9138, 0.3242, 0.4357



82.7503, 0.3255, 0.4592



82.3888, 0.2979, 0.4183



20.4301, 0.3161, 0.3533



38.2385, 0.3138, 0.5891



3.7769, 0.3220, 0.5826

Inverse Universe

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



49.0573, 0.2943, 0.2310



42.2717, 0.2895, 0.2115



52.8297, 0.3324, 0.2539



18.0130, 0.3090, 0.3052



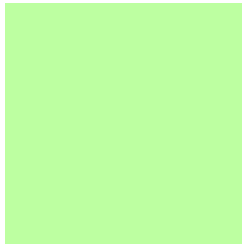
8.8674, 0.2466, 0.1132



0.9201, 0.2553, 0.1180

Previews

White Background



This preview shows how the Yxy color 84.9120, 0.3242, 0.4357 looks on a white background.

Color Contrast Check

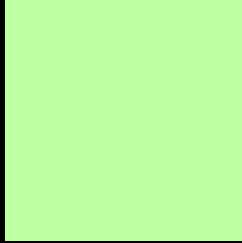
Large Text (above 18pt) WCAG AA × Fail

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 84.9120, 0.3242, 0.4357 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

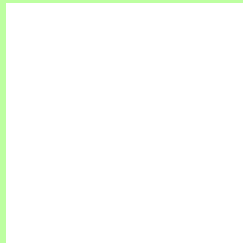
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.9120, 0.3242, 0.4357

Background



This preview shows how black text looks on a background with the Yxy color 84.9120, 0.3242, 0.4357.

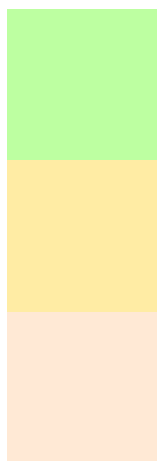


This preview shows how white text looks on a background with the Yxy color 84.9120, 0.3242, 0.4357.

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

84.9120, 0.3242, 0.4357

Protanopia

83.9312, 0.3728, 0.4014

Deuteranopia

84.3419, 0.3410, 0.3491



Tritanopia

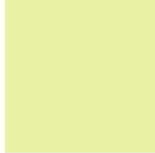
84.5777, 0.2883, 0.3145

Trichromacy



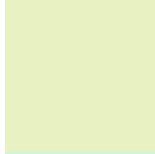
Original Color

84.9120, 0.3242, 0.4357



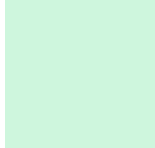
Protanomaly

83.7345, 0.3539, 0.4137



Deuteranomaly

83.7946, 0.3351, 0.3787



Tritanomaly

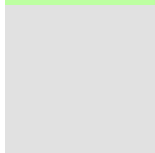
84.2538, 0.3020, 0.3561

Monochromacy



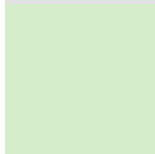
Original Color

84.9120, 0.3242, 0.4357



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.2522, 0.3176, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.9120, 0.3242, 0.4357 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(189, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 161)  
}
```

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(189, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 161) }
```

Border

The CSS property to change the border of an element to Yxy 84.9120, 0.3242, 0.4357 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(189, 255, 161) }
```

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

```
.border{ border-color:rgb(189, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 161);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 84.9120, 0.3242, 0.4357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 161) }
```

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

```
.background{ background-color: rgb(189,  
255, 161) }
```

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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