

Converting Colors

$Y_{xy}(126.8589, 0.3182, 0.4847)$

Have a look what the booklet for
Yxy(126.8589, 0.3182, 0.4847)
contains.

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Color

Yxy(84.3594, 0.3249, 0.4420)

Conversions

Conversions Part 1

Format	Color
Hex	BAFF9C
RGB	186, 255, 156
RGB Percent	73%, 100%, 61%
CMY	0.2707, 0.0000, 0.3880
CMYK	0.27, 0.00, 0.39, 0.00
HSL	102°, 100%, 81%
HSV	102°, 39%, 100%
XYZ	62.0099, 84.3594, 44.4891
YIQ	223.0830, -9.3450, -45.4170

Conversions

Conversions Part 2

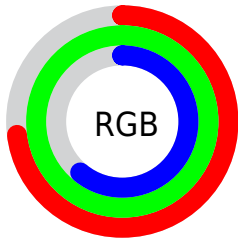
Format	Color
RYB	156, 255, 225
Decimal	12255132
CIELab	93.61, -38.79, 40.57
CIElCh	94, 56.126, 133.714
Yxy	84.3594, 0.3249, 0.4420
Android (android.graphics.Color)	4290445212 (0xFFBAFF9C)
YUV	223.0830, -33.0719, -32.5218
Hunter-Lab	91.8474, -40.2203, 35.5742

Details

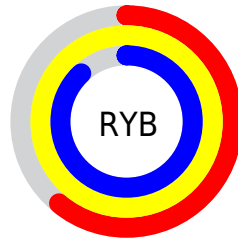
The Yxy color **84.3594, 0.3249, 0.4420** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.0337, 0.2926, 0.2256**, and the grayscale version is **74.0973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4562, 0.3315, 0.3731**, and **46.1133, 0.3249, 0.4705** is the 20% darker color. If you saturate the color by 10%, you get **81.4924, 0.3264, 0.4749**, and if you desaturate by 10%, it is **87.6833, 0.3224, 0.4098**.

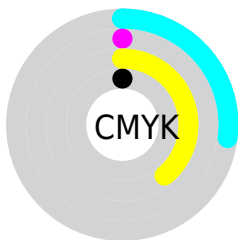
Distribution



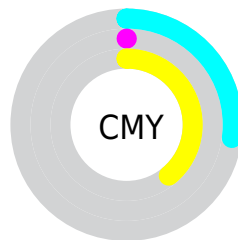
- Red (73%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (88%)



- Cyan (27%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)



- Cyan (27%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.3594, 0.3249, 0.4420 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 84.3594, 0.3249, 0.4420 by changing the saturation by 10% instead.


 84.3594, 0.3249,
0.4420


 84.3594, 0.3249,
0.4420


509.5059, 0.3214,
0.3883

 63.3122, 0.3251,
0.4544


 139.4778, 0.3241,
0.4232

 46.0938, 0.3251,
0.4698


 174.3178, 0.3237,
0.4159

 32.3199, 0.3245,
0.4893


214.5242, 0.3233,
0.4097

 21.6059, 0.3229,
0.5146

260.4814, 0.3229,
0.4043

 13.5676, 0.3191,
0.5485

312.5738, 0.3225,
0.3996

 7.8206, 0.3104,
0.5954

371.1857, 0.3221,

 3.9804, 0.3044,

0.3954

0.6940

436.7017, 0.3217,
0.3917

■ 1.6626, 0.2258,
0.7742

■ 0.3992, 0.0000,
1.0000

■ 84.3594, 0.3249,
0.4420

■ 84.3594, 0.3249,
0.4420

■ 81.4924, 0.3264,
0.4749

■ 87.6833, 0.3224,
0.4098

■ 79.0634, 0.3267,
0.5069

■ 91.4868, 0.3193,
0.3793

■ 77.0480, 0.3256,
0.5359

■ 95.7878, 0.3159,
0.3514

■ 75.4201, 0.3229,
0.5601

100.0000, 0.3127,
0.3290

■ 74.1502, 0.3187,
0.5777

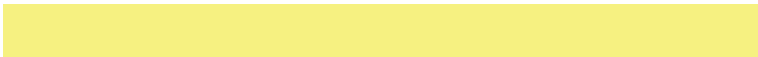
■ 73.1999, 0.3137,
0.5885

■ 73.1030, 0.3132,
0.5896

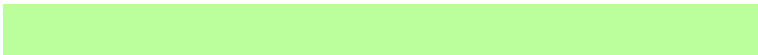
Harmonies

Analogous

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



84.3594, 0.3852, 0.4416



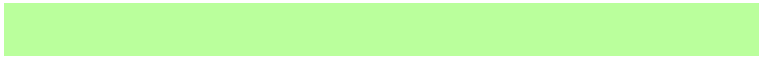
84.3594, 0.3249, 0.4420



84.3594, 0.2644, 0.4000

Triad

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



84.3594, 0.3249, 0.4420



84.3594, 0.2059, 0.2398



84.3594, 0.4130, 0.3131

Complementary

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



84.3594, 0.3249, 0.4420



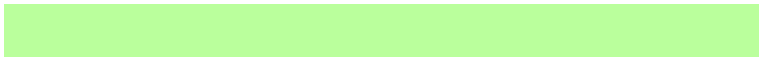
47.0337, 0.2926, 0.2256

Split Complementary

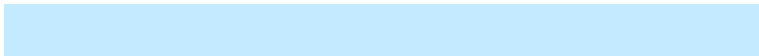
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3594, 0.3553, 0.2704



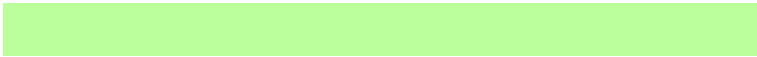
84.3594, 0.3249, 0.4420



84.3594, 0.2368, 0.2292

Square

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



84.3594, 0.3249, 0.4420



84.3594, 0.1999, 0.2753



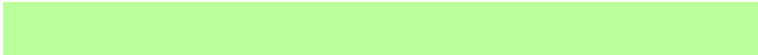
84.3594, 0.2898, 0.2406



84.3594, 0.4404, 0.3619

Rectangle

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



84.3594, 0.3249, 0.4420



84.3594, 0.2322, 0.3567



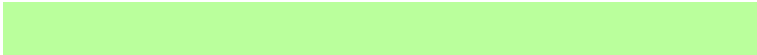
84.3594, 0.2898, 0.2406



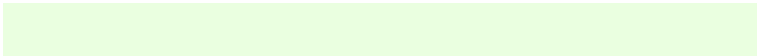
84.3594, 0.3962, 0.2979

Sweetspot

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



84.3585, 0.3249, 0.4420



94.3576, 0.3170, 0.3600



76.7943, 0.3824, 0.3979



20.0745, 0.3175, 0.3636



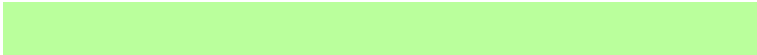
0.0000, 0.0000, 0.0000



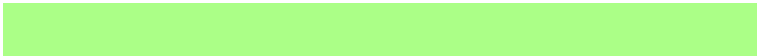
21.4041, 0.3127, 0.3290

Same Dimension

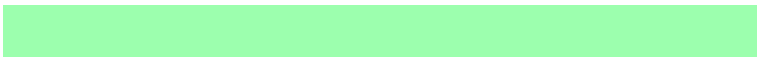
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3585, 0.3249, 0.4420



81.9763, 0.3262, 0.4690



81.6566, 0.2981, 0.4260



20.4344, 0.3161, 0.3532



38.2656, 0.3142, 0.5887



3.7800, 0.3224, 0.5822

Inverse Universe

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



47.0337, 0.2926, 0.2256



39.6113, 0.2868, 0.2034



51.1606, 0.3323, 0.2485



18.0085, 0.3089, 0.3052



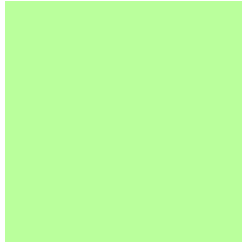
8.7923, 0.2455, 0.1126



0.9132, 0.2543, 0.1174

Previews

White Background



This preview shows how the Yxy color 84.3594, 0.3249, 0.4420 looks on a white background.

Color Contrast Check

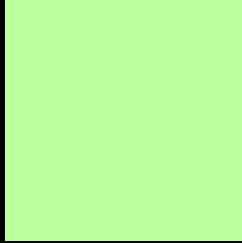
Large Text (above 18pt) WCAG AA × Fail

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 84.3594, 0.3249, 0.4420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

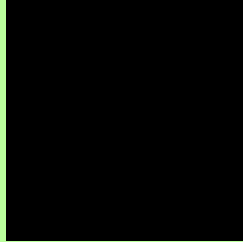
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

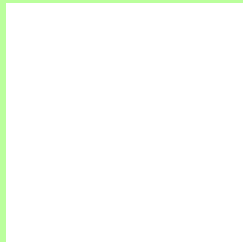
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3594, 0.3249, 0.4420

Background



This preview shows how black text looks on a background with the Yxy color 84.3594, 0.3249, 0.4420.

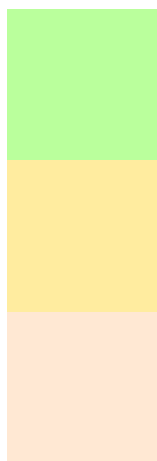


This preview shows how white text looks on a background with the Yxy color 84.3594, 0.3249, 0.4420.

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

84.3594, 0.3249, 0.4420

Protanopia

83.7541, 0.3759, 0.4063

Deuteranopia

83.6764, 0.3425, 0.3501



Tritanopia

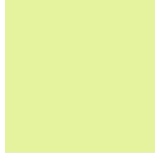
84.2767, 0.2871, 0.3144

Trichromacy



Original Color

84.3594, 0.3249, 0.4420



Protanomaly

83.3928, 0.3561, 0.4191



Deuteranomaly

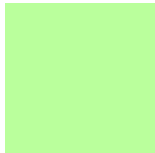
82.9048, 0.3365, 0.3811



Tritanomaly

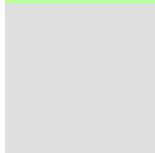
83.7225, 0.3013, 0.3585

Monochromacy



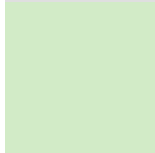
Original Color

84.3594, 0.3249, 0.4420



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.2418, 0.3182, 0.3691

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3594, 0.3249, 0.4420 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(186, 255, 156)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 156)  
}
```

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(186, 255, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 156) }
```

Border

The CSS property to change the border of an element to Yxy 84.3594, 0.3249, 0.4420 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(186, 255, 156) }
```

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

```
.border{ border-color:rgb(186, 255, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 255, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 156);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3594, 0.3249, 0.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 255, 156) }
```

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

```
.background{ background-color: rgb(186,  
255, 156) }
```

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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