

Converting Colors

Yxy(83.4849, 0.3373, 0.4697)

Have a look what the booklet for
Yxy(83.4849, 0.3373, 0.4697)
contains.

Yxy(83.5978, 0.3374, 0.4693)	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(83.5978, 0.3374, 0.4693)

Conversions

Conversions Part 1

Format	Color
Hex	BAFF83
RGB	186, 255, 131
RGB Percent	73%, 100%, 51%
CMY	0.2707, 0.0000, 0.4863
CMYK	0.27, 0.00, 0.49, 0.00
HSL	93°, 100%, 76%
HSV	93°, 49%, 100%
XYZ	60.1021, 83.5978, 34.4331
YIQ	220.2330, -1.3200, -53.1920

Conversions

Conversions Part 2

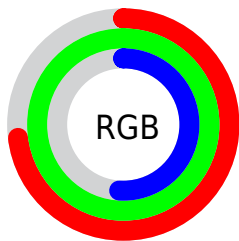
Format	Color
RYB	131, 255, 200
Decimal	12255107
CIELab	93.28, -41.85, 52.15
CIElCh	93, 66.865, 128.752
Yxy	83.5978, 0.3374, 0.4693
Android (android.graphics.Color)	4290445187 (0xFFBAFF83)
YUV	220.2330, -43.9919, -30.0223
Hunter-Lab	91.4318, -42.6700, 41.6738

Details

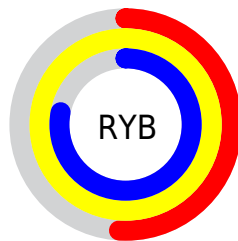
The Yxy color **83.5978, 0.3374, 0.4693** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.7267, 0.2708, 0.1936**, and the grayscale version is **72.0494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2983, 0.3463, 0.3986**, and **45.6841, 0.3387, 0.5028** is the 20% darker color. If you saturate the color by 10%, you get **81.2970, 0.3395, 0.4991**, and if you desaturate by 10%, it is **86.2399, 0.3337, 0.4383**.

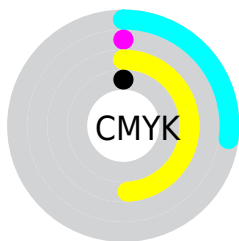
Distribution



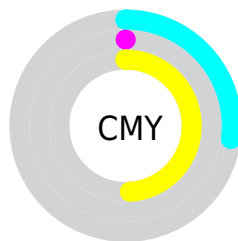
- Red (73%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (78%)



- Cyan (27%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (27%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.5978, 0.3374, 0.4693 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 83.5978, 0.3374, 0.4693 by changing the saturation by 10% instead.


 83.5978, 0.3374,
0.4693


 83.5978, 0.3374,
0.4693


506.9767, 0.3296,
0.4028

 62.6834, 0.3382,
0.4845

 138.4124, 0.3355,
0.4461

 45.5852, 0.3385,
0.5031


 173.0815, 0.3345,
0.4371

 31.9186, 0.3381,
0.5264


 213.1042, 0.3336,
0.4294

 21.2993, 0.3359,
0.5559

258.8649, 0.3326,
0.4227

 13.3430, 0.3301,
0.5940

310.7482, 0.3318,
0.4168

 7.6651, 0.3196,
0.6495


369.1383, 0.3310,


 3.8814, 0.2885,


0.4116


0.7115


434.4197, 0.3303,
0.4069


 1.6075, 0.1892,
0.8108


 0.3626, 0.0000,
1.0000

 83.5978, 0.3374,
0.4693

 83.5978, 0.3374,
0.4693


 81.2970, 0.3395,
0.4991

 86.2399, 0.3337,
0.4383


 79.3276, 0.3398,
0.5262

 89.2477, 0.3290,
0.4076

 77.6672, 0.3380,
0.5488

 92.6335, 0.3236,
0.3782

 76.2929, 0.3342,
0.5657

 96.4117, 0.3178,
0.3508

■ 75.1744, 0.3287,
0.5766

100.0000, 0.3127,
0.3290

■ 75.0367, 0.3279,
0.5778

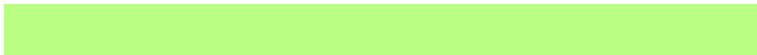
Harmonies

Analogous

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



83.5978, 0.4068, 0.4570



83.5978, 0.3374, 0.4693



83.5978, 0.2652, 0.4271

Triad

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



83.5978, 0.3374, 0.4693



83.5978, 0.1853, 0.2285



83.5978, 0.4231, 0.3002

Complementary

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



83.5978, 0.3374, 0.4693



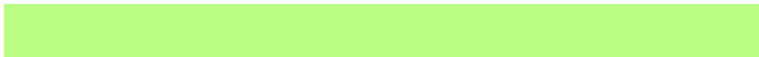
35.7267, 0.2708, 0.1936

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.



83.5978, 0.3498, 0.2535



83.5978, 0.3374, 0.4693



83.5978, 0.2158, 0.2129

Square

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



83.5978, 0.3374, 0.4693



83.5978, 0.1828, 0.2735



83.5978, 0.2731, 0.2226



83.5978, 0.4627, 0.3553

Rectangle

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



83.5978, 0.3374, 0.4693



83.5978, 0.2254, 0.3753



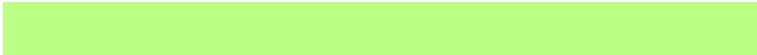
83.5978, 0.2731, 0.2226



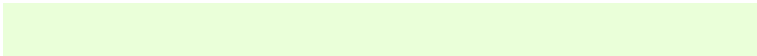
83.5978, 0.4010, 0.2833

Sweetspot

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



83.5951, 0.3374, 0.4693



93.9607, 0.3215, 0.3680



63.8332, 0.4114, 0.3991



19.9453, 0.3227, 0.3739



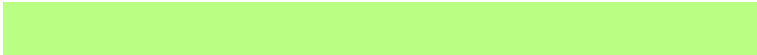
0.0000, 0.0000, 0.0000



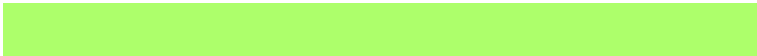
21.4041, 0.3127, 0.3290

Same Dimension

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



83.5951, 0.3374, 0.4693



81.4329, 0.3395, 0.4973



78.1552, 0.3027, 0.4765



20.5623, 0.3183, 0.3531



39.2935, 0.3291, 0.5769



3.8894, 0.3379, 0.5699

Inverse Universe

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



35.7267, 0.2708, 0.1936



28.6272, 0.2599, 0.1676



44.3146, 0.3236, 0.2159



17.8762, 0.3067, 0.3051



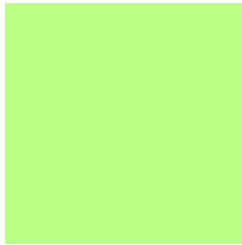
6.8633, 0.2136, 0.0950



0.7331, 0.2251, 0.1014

Previews

White Background



This preview shows how the Yxy color 83.5978, 0.3374, 0.4693 looks on a white background.

Color Contrast Check

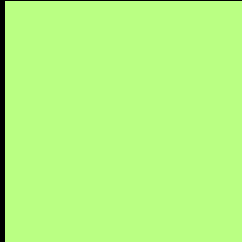
Large Text (above 18pt) WCAG AA × Fail

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 83.5978, 0.3374, 0.4693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

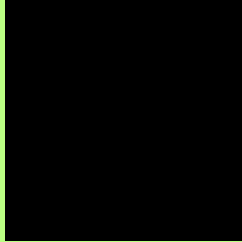
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

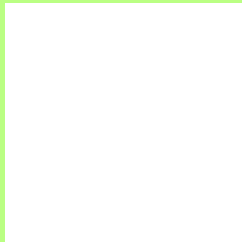
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.5978, 0.3374, 0.4693

Background



This preview shows how black text looks on a background with the Yxy color 83.5978, 0.3374, 0.4693.

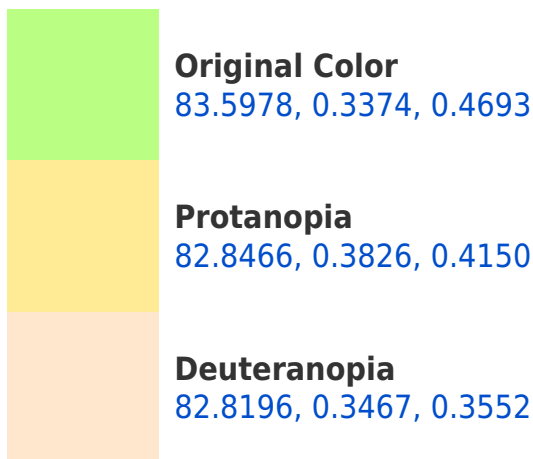


This preview shows how white text looks on a background with the Yxy color 83.5978, 0.3374, 0.4693.

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





Tritanopia

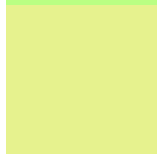
82.9501, 0.2864, 0.3123

Trichromacy



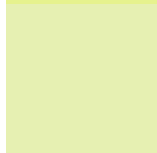
Original Color

83.5978, 0.3374, 0.4693



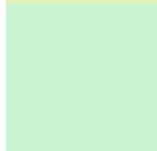
Protanomaly

82.2802, 0.3658, 0.4345



Deuteranomaly

82.3575, 0.3446, 0.3952



Tritanomaly

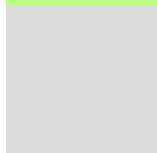
82.6545, 0.3065, 0.3676

Monochromacy



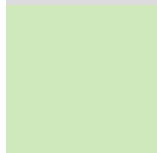
Original Color

83.5978, 0.3374, 0.4693



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.3186, 0.3239, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.5978, 0.3374, 0.4693 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, 131)` looks like.

```
.text, #text, p{  
    color:rgb(186, 255, 131)  
}
```

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, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 255, 131) }
```

Border

The CSS property to change the border of an element to Yxy 83.5978, 0.3374, 0.4693 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, 131) }
```

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

```
.border{ border-color:rgb(186, 255, 131) }
```

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, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(186, 255,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 83.5978, 0.3374, 0.4693 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, 131) }
```

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

```
.background{ background-color: rgb(186,  
255, 131) }
```

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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