

Converting Colors

Yxy(83.8539, 0.3473, 0.4821)

Have a look what the booklet for
Yxy(83.8539, 0.3473, 0.4821)
contains.

Yxy(83.8573, 0.3476, 0.4825)	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(83.8573, 0.3476, 0.4825)

Conversions

Conversions Part 1

Format	Color
Hex	BFFF74
RGB	191, 255, 116
RGB Percent	75%, 100%, 45%
CMY	0.2507, 0.0000, 0.5450
CMYK	0.25, 0.00, 0.55, 0.00
HSL	88°, 100%, 73%
HSV	88°, 55%, 100%
XYZ	60.4120, 83.8573, 29.5282
YIQ	220.0180, 6.4750, -56.7970

Conversions

Conversions Part 2

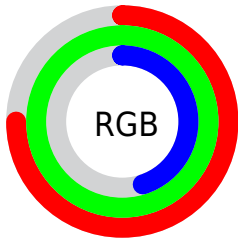
Format	Color
RYB	116, 255, 180
Decimal	12582772
CIELab	93.39, -41.60, 59.14
CIELCh	93, 72.312, 125.124
Yxy	83.8573, 0.3476, 0.4825
Android (android.graphics.Color)	4290772852 (0xFFBFFF74)
YUV	220.0180, -51.2809, -25.4488
Hunter-Lab	91.5736, -42.4957, 44.9833

Details

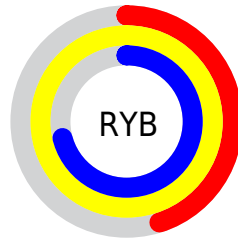
The Yxy color **83.8573, 0.3476, 0.4825** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **29.4089, 0.2528, 0.1725**, and the grayscale version is **71.9571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7843, 0.3592, 0.4125**, and **45.7934, 0.3496, 0.5187** is the 20% darker color. If you saturate the color by 10%, you get **81.8858, 0.3501, 0.5092**, and if you desaturate by 10%, it is **86.1208, 0.3432, 0.4535**.

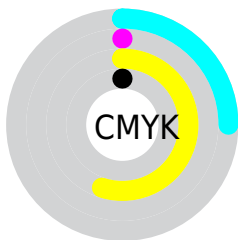
Distribution



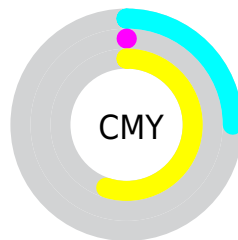
- Red (75%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (71%)



- Cyan (25%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.8573, 0.3476, 0.4825 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 83.8573, 0.3476, 0.4825 by changing the saturation by 10% instead.


 83.8573, 0.3476,
0.4825


 83.8573, 0.3476,
0.4825


507.8393, 0.3361,
0.4103

 62.8976, 0.3489,
0.4987

 138.7755, 0.3447,
0.4576

 45.7584, 0.3496,
0.5183


 173.5029, 0.3432,
0.4478

 32.0552, 0.3494,
0.5424


 213.5883, 0.3418,
0.4394

 21.4037, 0.3471,
0.5723

259.4161, 0.3405,
0.4321

 13.4194, 0.3403,
0.6096

311.3707, 0.3393,
0.4257

 7.7180, 0.3311,
0.6689


369.8365, 0.3381,


 3.9150, 0.2903,

0.4200

0.7097


435.1979, 0.3371,
0.4149


 1.6261, 0.1947,
0.8053


 0.3751, 0.0000,
1.0000


 83.8573, 0.3476,
0.4825


 83.8573, 0.3476,
0.4825


 81.8858, 0.3501,
0.5092


 86.1208, 0.3432,
0.4535

 80.1786, 0.3503,
0.5322

 88.6801, 0.3375,
0.4238


 78.7208, 0.3482,
0.5502

 91.5525, 0.3307,
0.3944

 77.4896, 0.3439,
0.5626

 94.7507, 0.3235,
0.3664

 76.8929, 0.3409,
0.5675

 98.2865, 0.3161,
0.3401

99.9941, 0.3127,
0.3290

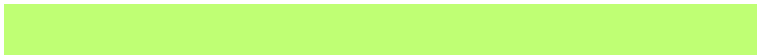
Harmonies

Analogous

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



83.8573, 0.4204, 0.4610



83.8573, 0.3476, 0.4825



83.8573, 0.2696, 0.4447

Triad

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



83.8573, 0.3476, 0.4825



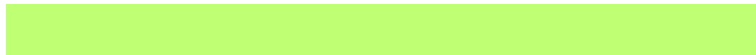
83.8573, 0.1751, 0.2250



83.8573, 0.4236, 0.2910

Complementary

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



83.8573, 0.3476, 0.4825



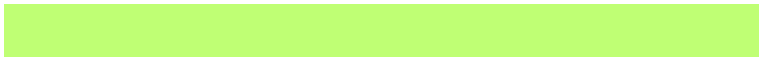
29.4089, 0.2528, 0.1725

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.



83.8573, 0.3418, 0.2433



83.8573, 0.3476, 0.4825



83.8573, 0.2036, 0.2056

Square

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



83.8573, 0.3476, 0.4825



83.8573, 0.1758, 0.2766



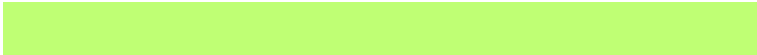
83.8573, 0.2610, 0.2131



83.8573, 0.4720, 0.3484

Rectangle

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



83.8573, 0.3476, 0.4825



83.8573, 0.2254, 0.3901



83.8573, 0.2610, 0.2131



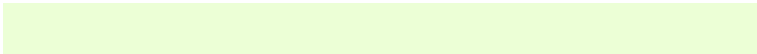
83.8573, 0.3984, 0.2736

Sweetspot

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



83.8610, 0.3476, 0.4825



94.2584, 0.3246, 0.3704



54.5811, 0.4351, 0.3930



20.0306, 0.3261, 0.3761



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.



83.8610, 0.3476, 0.4825



81.8014, 0.3501, 0.5105



76.9836, 0.3077, 0.5033



20.6513, 0.3198, 0.3530



40.2714, 0.3421, 0.5666



3.9861, 0.3503, 0.5601

Inverse Universe

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



29.4089, 0.2528, 0.1725



22.4577, 0.2378, 0.1433



39.6776, 0.3126, 0.1968



17.7870, 0.3051, 0.3049



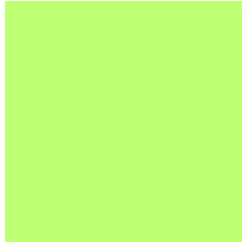
5.8454, 0.1945, 0.0845



0.6332, 0.2070, 0.0914

Previews

White Background



This preview shows how the Yxy color 83.8573, 0.3476, 0.4825 looks on a white background.

Color Contrast Check

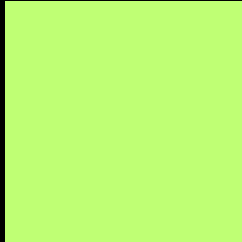
Large Text (above 18pt) WCAG AA × Fail

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 83.8573, 0.3476, 0.4825 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

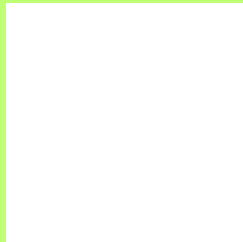
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.8573, 0.3476, 0.4825

Background



This preview shows how black text looks on a background with the Yxy color 83.8573, 0.3476, 0.4825.

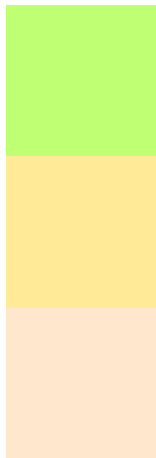


This preview shows how white text looks on a background with the Yxy color 83.8573, 0.3476, 0.4825.

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

83.8573, 0.3476, 0.4825

Protanopia

82.9110, 0.3813, 0.4131

Deuteranopia

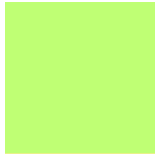
82.8196, 0.3467, 0.3552



Tritanopia

83.4001, 0.2882, 0.3124

Trichromacy



Original Color

83.8573, 0.3476, 0.4825



Protanomaly

82.4950, 0.3695, 0.4378



Deuteranomaly

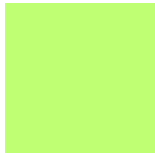
82.4931, 0.3492, 0.4002



Tritanomaly

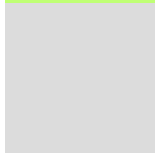
82.7863, 0.3119, 0.3742

Monochromacy



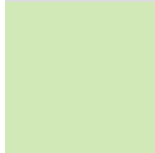
Original Color

83.8573, 0.3476, 0.4825



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.2105, 0.3284, 0.3867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.8573, 0.3476, 0.4825 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(191, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 116)  
}
```

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(191, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 116) }
```

Border

The CSS property to change the border of an element to Yxy 83.8573, 0.3476, 0.4825 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(191, 255, 116) }
```

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

```
.border{ border-color:rgb(191, 255, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 83.8573, 0.3476, 0.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 116) }
```

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

```
.background{ background-color: rgb(191,  
255, 116) }
```

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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