

Converting Colors

Yxy(80.6586, 0.3487, 0.4924)

Have a look what the booklet for
Yxy(80.6586, 0.3487, 0.4924)
contains.

Yxy(80.8311, 0.3485, 0.4931)	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(80.8311, 0.3485, 0.4931)

Conversions

Conversions Part 1

Format	Color
Hex	B8FC69
RGB	184, 252, 105
RGB Percent	72%, 99%, 41%
CMY	0.2785, 0.0117, 0.5881
CMYK	0.27, 0.00, 0.58, 0.01
HSL	88°, 96%, 70%
HSV	88°, 58%, 99%
XYZ	57.1276, 80.8311, 25.9656
YIQ	214.9100, 6.6590, -60.1330

Conversions

Conversions Part 2

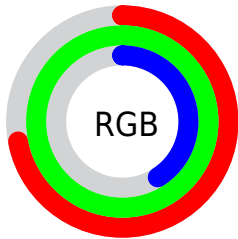
Format	Color
RYB	105, 252, 173
Decimal	12123241
CIELab	92.06, -43.80, 62.28
CIElCh	92, 76.139, 125.118
Yxy	80.8311, 0.3485, 0.4931
Android (android.graphics.Color)	4290313321 (0xFFB8FC69)
YUV	214.9100, -54.1856, -27.1081
Hunter-Lab	89.9061, -43.9142, 45.8108

Details

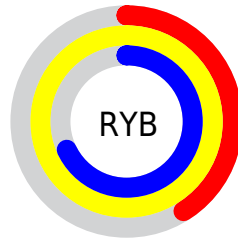
The Yxy color **80.8311, 0.3485, 0.4931** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **26.0307, 0.2478, 0.1618**, and the grayscale version is **68.2650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1128, 0.3606, 0.4247**, and **43.7556, 0.3500, 0.5318** is the 20% darker color. If you saturate the color by 10%, you get **79.0093, 0.3501, 0.5186**, and if you desaturate by 10%, it is **82.9322, 0.3449, 0.4648**.

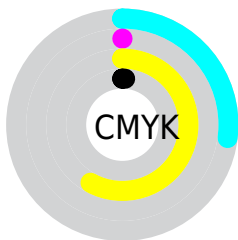
Distribution



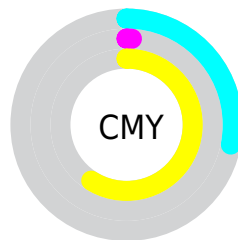
- Red (72%)
- Green (99%)
- Blue (41%)



- Red (41%)
- Yellow (99%)
- Blue (68%)



- Cyan (27%)
- Magenta (0%)
- Yellow (58%)
- Black (1%)





- Cyan (28%)
- Magenta (1%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.8311, 0.3485, 0.4931 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 80.8311, 0.3485, 0.4931 by changing the saturation by 10% instead.


 80.8311, 0.3485,
0.4931

 80.8311, 0.3485,
0.4931


497.7293, 0.3372,
0.4155


 60.4025, 0.3495,
0.5105


 134.5336, 0.3458,
0.4663


 43.7431, 0.3497,
0.5315


 168.5763, 0.3444,
0.4558

 30.4686, 0.3486,
0.5573


 207.9258, 0.3431,
0.4467

 20.1946, 0.3447,
0.5891

 252.9665, 0.3417,
0.4389

 12.5366, 0.3355,
0.6286

304.0828, 0.3405,
0.4319

 7.1102, 0.3179,
0.6821


361.6591, 0.3393,

 3.5311, 0.2724,


0.4258


0.7276

426.0798, 0.3382,
0.4204


 1.4149, 0.1235,
0.8765


 0.2277, 0.0000,
1.0000


 80.8311, 0.3485,
0.4931


 80.8311, 0.3485,
0.4931


 79.0093, 0.3501,
0.5186


 82.9322, 0.3449,
0.4648


 77.4394, 0.3494,
0.5399


 85.3171, 0.3396,
0.4351

 76.1054, 0.3464,
0.5558


 88.0030, 0.3332,
0.4055


 74.9811, 0.3414,
0.5663

 91.0026, 0.3262,
0.3768

 74.8070, 0.3405,
0.5678

 94.3277, 0.3189,
0.3499

 97.9091, 0.3122,
0.3261

 98.1044, 0.3128,
0.3262

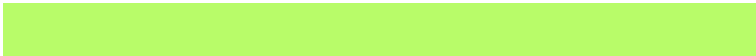
Harmonies

Analogous

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



80.8311, 0.4257, 0.4681



80.8311, 0.3485, 0.4931



80.8311, 0.2663, 0.4534

Triad

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



80.8311, 0.3485, 0.4931



80.8311, 0.1679, 0.2187



80.8311, 0.4309, 0.2883

Complementary

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



80.8311, 0.3485, 0.4931



26.0307, 0.2478, 0.1618

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.



80.8311, 0.3433, 0.2386



80.8311, 0.3485, 0.4931



80.8311, 0.1975, 0.1990

Square

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



80.8311, 0.3485, 0.4931



80.8311, 0.1684, 0.2725



80.8311, 0.2576, 0.2070



80.8311, 0.4822, 0.3482

Rectangle

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



80.8311, 0.3485, 0.4931



80.8311, 0.2198, 0.3942



80.8311, 0.2576, 0.2070



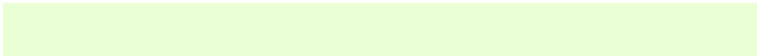
80.8311, 0.4038, 0.2702

Sweetspot

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



80.8346, 0.3485, 0.4931



93.9075, 0.3253, 0.3732



50.9094, 0.4463, 0.3965



19.9599, 0.3267, 0.3788



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.



80.8346, 0.3485, 0.4931



80.8639, 0.3502, 0.5226



74.1156, 0.3071, 0.5162



19.7684, 0.3197, 0.3529



39.0545, 0.3417, 0.5669



3.6802, 0.3504, 0.5600

Inverse Universe

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



26.0307, 0.2478, 0.1618



19.8399, 0.2311, 0.1310



36.4912, 0.3123, 0.1894



17.0366, 0.3052, 0.3050



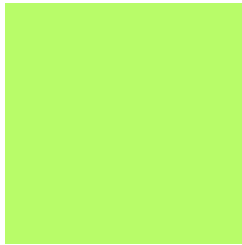
5.7032, 0.1951, 0.0849



0.5905, 0.2083, 0.0921

Previews

White Background



This preview shows how the Yxy color 80.8311, 0.3485, 0.4931 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 80.8311, 0.3485, 0.4931 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

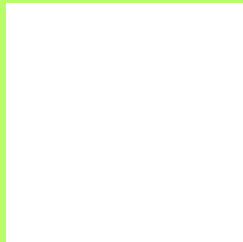
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8311, 0.3485, 0.4931

Background



This preview shows how black text looks on a background with the Yxy color 80.8311, 0.3485, 0.4931.

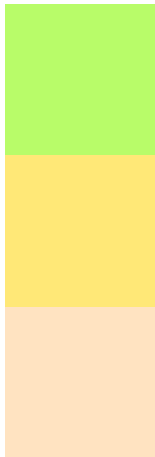


This preview shows how white text looks on a background with the Yxy color 80.8311, 0.3485, 0.4931.

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

80.8311, 0.3485, 0.4931

Protanopia

80.3051, 0.4016, 0.4393

Deuteranopia

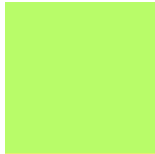
80.0484, 0.3558, 0.3636



Tritanopia

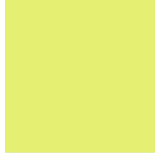
80.1900, 0.2820, 0.3089

Trichromacy



Original Color

80.8311, 0.3485, 0.4931



Protanomaly

79.6059, 0.3814, 0.4585



Deuteranomaly

79.2221, 0.3555, 0.4097



Tritanomaly

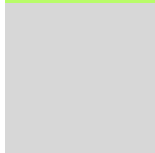
79.5447, 0.3086, 0.3764

Monochromacy



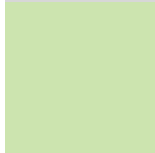
Original Color

80.8311, 0.3485, 0.4931



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

71.4193, 0.3300, 0.3903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8311, 0.3485, 0.4931 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, 252, 105)` looks like.

```
.text, #text, p{  
    color:rgb(184, 252, 105)  
}
```

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, 252, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 252, 105) }
```

Border

The CSS property to change the border of an element to Yxy 80.8311, 0.3485, 0.4931 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, 252, 105) }
```

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

```
.border{ border-color:rgb(184, 252, 105) }
```

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

Here you see how a box with a 4 pixel rgb(184, 252, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 252, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 252, 105);  
box-shadow:4px 4px 4px 4px rgb(184, 252,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8311, 0.3485, 0.4931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 252, 105) }
```

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

```
.background{ background-color: rgb(184,  
252, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor