

# Converting Colors

$Yxy(81.2304, 0.3370, 0.4738)$

Have a look what the booklet for  
Yxy(81.2304, 0.3370, 0.4738)  
contains.

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# Color

**Yxy(80.9509, 0.3372, 0.4736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5FC7E
RGB	181, 252, 126
RGB Percent	71%, 99%, 49%
CMY	0.2901, 0.0118, 0.5057
CMYK	0.28, 0.00, 0.50, 0.01
HSL	94°, 95%, 74%
HSV	94°, 50%, 99%
XYZ	57.6365, 80.9509, 32.3393
YIQ	216.4070, -1.8700, -54.2380

# Conversions

## Conversions Part 2

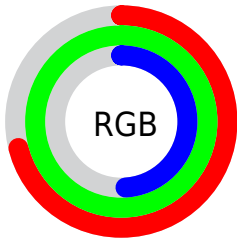
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 252, 197
Decimal	11926654
CIELab	92.11, -42.78, 52.96
CIELCh	92, 68.077, 128.933
Yxy	80.9509, 0.3372, 0.4736
Android (android.graphics.Color)	4290116734 (0xFFB5FC7E)
YUV	216.4070, -44.5707, -31.0519
Hunter-Lab	89.9727, -43.1052, 41.6700

# Details

The Yxy color **80.9509, 0.3372, 0.4736** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.8357, 0.2701, 0.1901**, and the grayscale version is **69.2786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2069, 0.3459, 0.4045**, and **43.8712, 0.3381, 0.5085** is the 20% darker color. If you saturate the color by 10%, you get **78.7530, 0.3390, 0.5033**, and if you desaturate by 10%, it is **83.4947, 0.3338, 0.4426**.

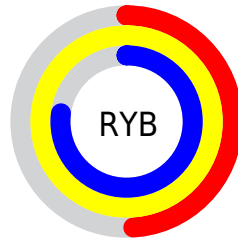
# Distribution



Red (71%)

Green (99%)

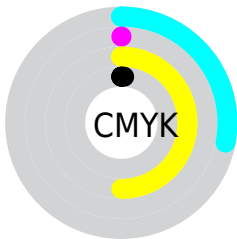
Blue (49%)



Red (49%)

Yellow (99%)

Blue (77%)

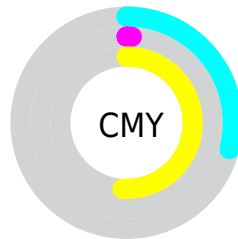


Cyan (28%)

Magenta (0%)

Yellow (50%)

Black (1%)



Cyan (29%)

Magenta (1%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9509, 0.3372, 0.4736 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 80.9509, 0.3372, 0.4736 by changing the saturation by 10% instead.




 80.9509, 0.3372,  
0.4736

 80.9509, 0.3372,  
0.4736


498.1317, 0.3296,  
0.4046


 60.5012, 0.3378,  
0.4894


 134.7018, 0.3354,  
0.4495

 43.8227, 0.3380,  
0.5089


 168.7718, 0.3345,  
0.4402

 30.5312, 0.3371,  
0.5332


 208.1506, 0.3336,  
0.4321

 20.2421, 0.3343,  
0.5641

253.2227, 0.3327,  
0.4252

 12.5712, 0.3272,  
0.6039

304.3725, 0.3318,  
0.4191

 7.1339, 0.3171,  
0.6672


361.9843, 0.3311,


 3.5460, 0.2777,


0.4137


0.7223


426.4426, 0.3303,  
0.4089

 1.4230, 0.1391,  
0.8609

 0.2336, 0.0000,  
1.0000


 80.9509, 0.3372,  
0.4736


 80.9509, 0.3372,  
0.4736


 78.7530, 0.3390,  
0.5033


 83.4947, 0.3338,  
0.4426


 76.8727, 0.3389,  
0.5299


 86.3902, 0.3293,  
0.4117

 75.2937, 0.3368,  
0.5519


 89.6557, 0.3241,  
0.3821


 73.9931, 0.3327,  
0.5681

 93.3056, 0.3185,  
0.3544

 72.9368, 0.3271,  
0.5785

 97.3529, 0.3127,  
0.3290

 72.9351, 0.3271,  
0.5785

 98.1017, 0.3128,  
0.3262

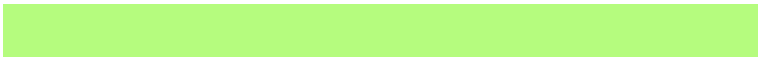
# Harmonies

## Analogous

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



80.9509, 0.4086, 0.4605



80.9509, 0.3372, 0.4736



80.9509, 0.2632, 0.4299

# Triad

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



80.9509, 0.3372, 0.4736



80.9509, 0.1824, 0.2256



80.9509, 0.4267, 0.2996

# Complementary

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



80.9509, 0.3372, 0.4736



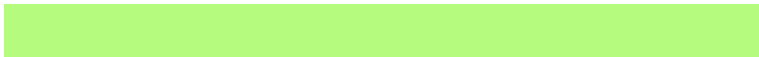
33.8357, 0.2701, 0.1901

# 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.



80.9509, 0.3512, 0.2518



80.9509, 0.3372, 0.4736



80.9509, 0.2136, 0.2101

# Square

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



80.9509, 0.3372, 0.4736



80.9509, 0.1796, 0.2713



80.9509, 0.2723, 0.2201



80.9509, 0.4670, 0.3558



# Rectangle

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



80.9509, 0.3372, 0.4736



80.9509, 0.2226, 0.3761



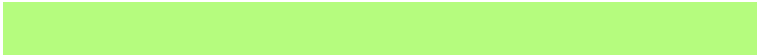
80.9509, 0.2723, 0.2201



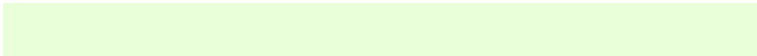
80.9509, 0.4039, 0.2823

# Sweetspot

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



80.9544, 0.3372, 0.4736



93.9150, 0.3213, 0.3680



61.3770, 0.4147, 0.4008



19.9344, 0.3225, 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.



80.9544, 0.3372, 0.4736



80.8890, 0.3390, 0.5034



75.7359, 0.3025, 0.4811



19.6797, 0.3182, 0.3531



38.0758, 0.3283, 0.5775



3.5879, 0.3375, 0.5702



# Inverse Universe

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



33.8357, 0.2701, 0.1901



27.4433, 0.2585, 0.1627



42.2640, 0.3239, 0.2133



17.1256, 0.3068, 0.3051



6.7467, 0.2151, 0.0959

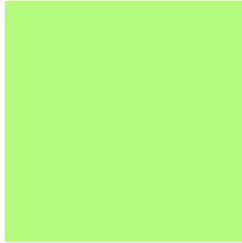


0.6876, 0.2272, 0.1025



# Previews

## White Background



This preview shows how the Yxy color 80.9509, 0.3372, 0.4736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

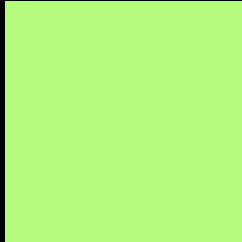
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.9509, 0.3372, 0.4736 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

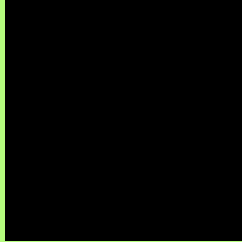
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

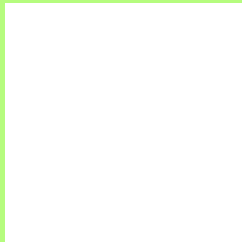
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 80.9509, 0.3372, 0.4736**

## Background



This preview shows how black text looks on a background with the Yxy color 80.9509, 0.3372, 0.4736.



This preview shows how white text looks on a background with the Yxy color 80.9509, 0.3372, 0.4736.

# 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

80.9509, 0.3372, 0.4736

### Protanopia

80.3784, 0.4000, 0.4368

### Deuteranopia

80.1837, 0.3537, 0.3605



## Tritanopia

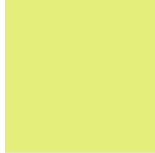
80.4849, 0.2809, 0.3099

# Trichromacy



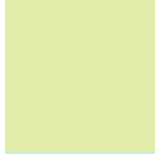
## Original Color

80.9509, 0.3372, 0.4736



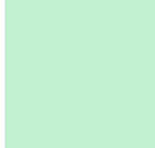
## Protanomaly

79.6570, 0.3760, 0.4508



## Deuteranomaly

79.4252, 0.3485, 0.3992



## Tritanomaly

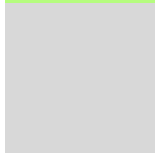
79.6604, 0.3026, 0.3673

# Monochromacy



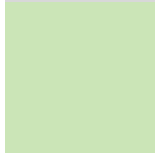
## Original Color

80.9509, 0.3372, 0.4736



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

72.1540, 0.3240, 0.3821

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.9509, 0.3372, 0.4736 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(181, 252, 126)` looks like.

```
.text, #text, p{  
    color:rgb(181, 252, 126)  
}
```

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(181, 252, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 252, 126) }
```

## Border

The CSS property to change the border of an element to Yxy 80.9509, 0.3372, 0.4736 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(181, 252, 126) }
```

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

```
.border{ border-color:rgb(181, 252, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 252, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 252, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 252, 126); box-shadow:4px 4px 4px 4px rgb(181, 252, 126) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.9509, 0.3372, 0.4736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 252, 126) }
```

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

```
.background{ background-color: rgb(181,  
252, 126) }
```

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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