

# Converting Colors

Yxy(78.5206, 0.3269, 0.4489)

Have a look what the booklet for  
Yxy(78.5206, 0.3269, 0.4489)  
contains.

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# Color

**Yxy(78.7938, 0.3267, 0.4489)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3F892
RGB	179, 248, 146
RGB Percent	70%, 97%, 57%
CMY	0.2981, 0.0274, 0.4274
CMYK	0.28, 0.00, 0.41, 0.03
HSL	101°, 88%, 77%
HSV	101°, 41%, 97%
XYZ	57.3445, 78.7938, 39.3881
YIQ	215.7410, -8.3820, -46.3500

# Conversions

## Conversions Part 2

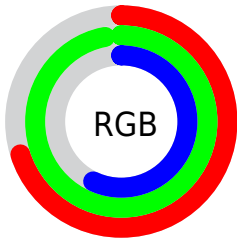
Format	Color
<a href="#">RYB</a>	<a href="#">146, 248, 215</a>
Decimal	<a href="#">11794578</a>
CIELab	<a href="#">91.14, -39.32, 42.22</a>
CIELCh	<a href="#">91, 57.694, 132.963</a>
Yxy	<a href="#">78.7938, 0.3267, 0.4489</a>
Android (android.graphics.Color)	<a href="#">4289984658 (0xFFB3F892)</a>
YUV	<a href="#">215.7410, -34.3823, -32.2219</a>
Hunter-Lab	<a href="#">88.7659, -40.0258, 35.8273</a>

# Details

The Yxy color **78.7938, 0.3267, 0.4489** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.7961, 0.2893, 0.2188**, and the grayscale version is **68.7273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7416, 0.3328, 0.3841**, and **42.3548, 0.3271, 0.4783** is the 20% darker color. If you saturate the color by 10%, you get **76.2275, 0.3283, 0.4814**, and if you desaturate by 10%, it is **81.7777, 0.3241, 0.4167**.

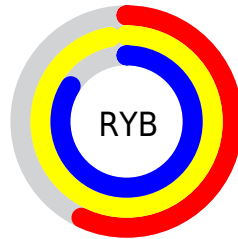
# Distribution



Red (70%)

Green (97%)

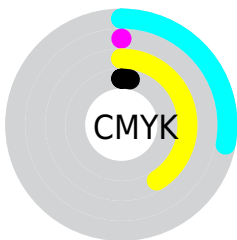
Blue (57%)



Red (57%)

Yellow (97%)

Blue (84%)

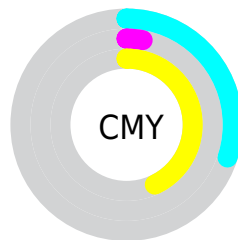


Cyan (28%)

Magenta (0%)

Yellow (41%)

Black (3%)



Cyan (30%)

Magenta (3%)


Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7938, 0.3267, 0.4489 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 78.7938, 0.3267, 0.4489 by changing the saturation by 10% instead.




 78.7938, 0.3267,  
0.4489

 78.7938, 0.3267,  
0.4489

490.8585, 0.3226,  
0.3912

 58.7263, 0.3270,  
0.4624


 131.6685, 0.3258,  
0.4286

 42.3928, 0.3269,  
0.4792


 165.2445, 0.3253,  
0.4208

 29.4090, 0.3261,  
0.5005


204.0922, 0.3248,  
0.4141

 19.3904, 0.3241,  
0.5284

248.5958, 0.3243,  
0.4083

 11.9527, 0.3192,  
0.5659

299.1399, 0.3238,  
0.4032

 6.7115, 0.3081,  
0.6180


356.1088, 0.3234,


 3.2823, 0.2898,


0.3987


0.7102


419.8868, 0.3230,  
0.3948

 1.2809, 0.1422,  
0.8578


 0.1263, 0.0000,  
1.0000


 78.7938, 0.3267,  
0.4489


 78.7938, 0.3267,  
0.4489


 76.2275, 0.3283,  
0.4814

 81.7777, 0.3241,  
0.4167

 74.0491, 0.3285,  
0.5126

 85.1873, 0.3208,  
0.3860

 72.2405, 0.3271,  
0.5404

 89.0430, 0.3171,  
0.3575

 70.7777, 0.3241,  
0.5631

 93.3609, 0.3132,  
0.3317

■ 69.6335, 0.3197,  
0.5791

■ 95.6194, 0.3130,  
0.3223

■ 68.8517, 0.3151,  
0.5880

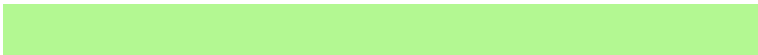
# Harmonies

## Analogous

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



78.7938, 0.3898, 0.4466



78.7938, 0.3267, 0.4489



78.7938, 0.2632, 0.4056

# Triad

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



78.7938, 0.3267, 0.4489



78.7938, 0.2007, 0.2362



78.7938, 0.4170, 0.3108

# Complementary

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



78.7938, 0.3267, 0.4489



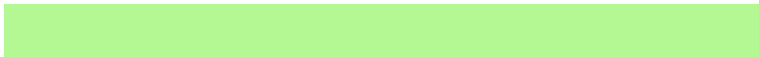
41.7961, 0.2893, 0.2188

# Split Complementary

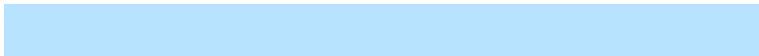
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.7938, 0.3556, 0.2667



78.7938, 0.3267, 0.4489



78.7938, 0.2321, 0.2248

# Square

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



78.7938, 0.3267, 0.4489



78.7938, 0.1950, 0.2736



78.7938, 0.2869, 0.2362

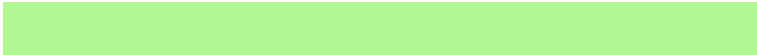


78.7938, 0.4466, 0.3614



# Rectangle

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



78.7938, 0.3267, 0.4489



78.7938, 0.2293, 0.3598



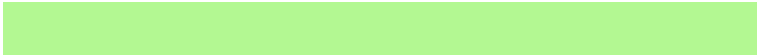
78.7938, 0.2869, 0.2362



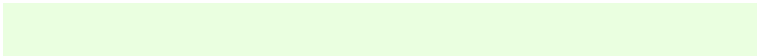
78.7938, 0.3990, 0.2950

# Sweetspot

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



78.7972, 0.3267, 0.4489



94.4651, 0.3174, 0.3600



70.1331, 0.3878, 0.4002



20.0997, 0.3179, 0.3636



0.0000, 0.0000, 0.0000

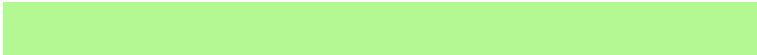


21.4041, 0.3127, 0.3290

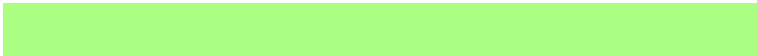


# Same Dimension

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



78.7972, 0.3267, 0.4489



81.7276, 0.3280, 0.4748



75.8974, 0.2982, 0.4349



19.5815, 0.3165, 0.3532



37.2580, 0.3161, 0.5872



3.5053, 0.3250, 0.5802



# Inverse Universe

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



41.7961, 0.2893, 0.2188



37.5874, 0.2831, 0.1972



46.2923, 0.3322, 0.2425



17.2270, 0.3086, 0.3053



8.2279, 0.2406, 0.1099

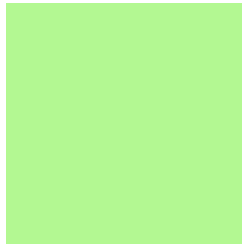


0.8192, 0.2504, 0.1153



# Previews

## White Background



This preview shows how the Yxy color 78.7938, 0.3267, 0.4489 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 78.7938, 0.3267, 0.4489 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 78.7938, 0.3267, 0.4489**

## Background



This preview shows how black text looks on a background with the Yxy color 78.7938, 0.3267, 0.4489.

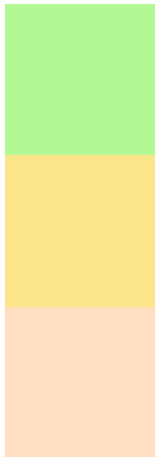


This preview shows how white text looks on a background with the Yxy color 78.7938, 0.3267, 0.4489.

# 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

78.7938, 0.3267, 0.4489

### Protanopia

78.2267, 0.3875, 0.4204

### Deuteranopia

77.7969, 0.3582, 0.3617



## Tritanopia

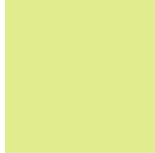
78.3082, 0.2772, 0.3085

# Trichromacy



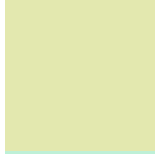
## Original Color

78.7938, 0.3267, 0.4489



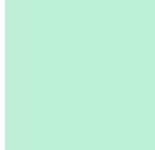
## Protanomaly

77.7912, 0.3634, 0.4308



## Deuteranomaly

77.1393, 0.3461, 0.3911



## Tritanomaly

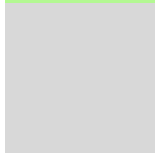
78.1736, 0.2955, 0.3573

# Monochromacy



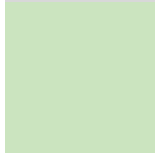
## Original Color

78.7938, 0.3267, 0.4489



## Achromatopsia

68.6685, 0.3127, 0.3290



## Achromatomaly

71.9449, 0.3190, 0.3715

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.7938, 0.3267, 0.4489 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(179, 248, 146)` looks like.

```
.text, #text, p{  
    color:rgb(179, 248, 146)  
}
```

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(179, 248, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 248, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 78.7938, 0.3267, 0.4489 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(179, 248, 146) }
```

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

```
.border{ border-color:rgb(179, 248, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 248, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 248, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 248, 146);  
box-shadow:4px 4px 4px 4px rgb(179, 248,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.7938, 0.3267, 0.4489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 248, 146) }
```

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

```
.background{ background-color: rgb(179,  
248, 146) }
```

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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