

# Converting Colors

$Yxy(76.4094, 0.3025, 0.4801)$

Have a look what the booklet for  
Yxy(76.4094, 0.3025, 0.4801)  
contains.

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**Color**

**Yxy(76.4838, 0.3022, 0.4797)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FFD86
RGB	127, 253, 134
RGB Percent	50%, 99%, 53%
CMY	0.5019, 0.0078, 0.4745
CMYK	0.50, 0.00, 0.47, 0.01
HSL	123°, 97%, 75%
HSV	123°, 50%, 99%
XYZ	48.1830, 76.4838, 34.7741
YIQ	201.7600, -36.8970, -63.7210

# Conversions

## Conversions Part 2

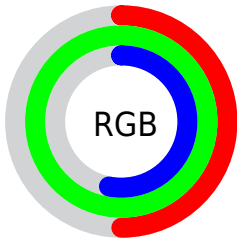
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">127, 246, 253</a>
Decimal	<a href="#">8387974</a>
CIELab	<a href="#">90.08, -58.58, 46.19</a>
CIELCh	<a href="#">90, 74.601, 141.741</a>
Yxy	<a href="#">76.4838, 0.3022, 0.4797</a>
Android (android.graphics.Color)	<a href="#">4286578054 (0xFF7FFD86)</a>
YUV	<a href="#">201.7600, -33.4057, -65.5645</a>
Hunter-Lab	<a href="#">87.4550, -54.7023, 37.6435</a>

# Details

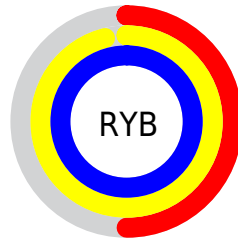
The Yxy color **76.4838, 0.3022, 0.4797** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **42.7247, 0.3245, 0.2141**, and the grayscale version is **59.1397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7589, 0.3080, 0.4037**, and **40.7143, 0.2954, 0.5203** is the 20% darker color. If you saturate the color by 10%, you get **74.1885, 0.3005, 0.5138**, and if you desaturate by 10%, it is **79.4239, 0.3042, 0.4450**.

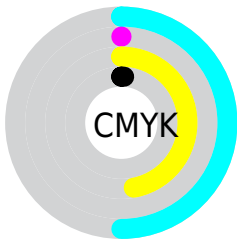
# Distribution



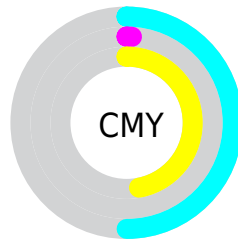
- Red (50%)
- Green (99%)
- Blue (53%)



- Red (50%)
- Yellow (96%)
- Blue (99%)



- Cyan (50%)
- Magenta (0%)
- Yellow (47%)
- Black (1%)




- Cyan (50%)
- Magenta (1%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.4838, 0.3022, 0.4797 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 76.4838, 0.3022, 0.4797 by changing the saturation by 10% instead.





 76.4838, 0.3022,  
0.4797


 76.4838, 0.3022,  
0.4797


483.0022, 0.3106,  
0.4054

 56.8293, 0.2993,  
0.4975


 128.4106, 0.3059,  
0.4531

 40.8682, 0.2951,  
0.5199


 161.4516, 0.3071,  
0.4430

 28.2161, 0.2890,  
0.5486


 199.7236, 0.3080,  
0.4344

 18.4886, 0.2794,  
0.5864

243.6110, 0.3088,  
0.4270

 11.3014, 0.2636,  
0.6375

293.4982, 0.3094,  
0.4205

 6.2699, 0.2386,  
0.7161


349.7695, 0.3099,


 3.0099, 0.1850,


0.4148


0.8150


412.8094, 0.3103,  
0.4098


 1.1369, 0.0000,  
1.0000


 0.0092, 0.0000,  
1.0000


 76.4838, 0.3022,  
0.4797


 76.4838, 0.3022,  
0.4797


 74.1885, 0.3005,  
0.5138


 79.4239, 0.3042,  
0.4450

 72.4809, 0.2994,  
0.5448


 83.0417, 0.3064,  
0.4115

 71.3100, 0.2988,  
0.5701

 87.3797, 0.3086,  
0.3807

 70.6117, 0.2989,  
0.5878

 92.4737, 0.3107,  
0.3529

 70.2883, 0.2993,  
0.5974

 98.3574, 0.3128,  
0.3285

 70.2836, 0.2993,  
0.5976

 98.7319, 0.3128,  
0.3271

# Harmonies

## Analogous

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



76.4838, 0.3847, 0.4880



76.4838, 0.3022, 0.4797



76.4838, 0.2270, 0.4050

# Triad

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



76.4838, 0.3022, 0.4797



76.4838, 0.1808, 0.2042



76.4838, 0.4656, 0.3208

# Complementary

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



76.4838, 0.3022, 0.4797



42.7247, 0.3245, 0.2141

# 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.



76.4838, 0.3939, 0.2645



76.4838, 0.3022, 0.4797



76.4838, 0.2272, 0.2005

# Square

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



76.4838, 0.3022, 0.4797



76.4838, 0.1646, 0.2383



76.4838, 0.3029, 0.2220



76.4838, 0.4860, 0.3831



# Rectangle

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



76.4838, 0.3022, 0.4797



76.4838, 0.1913, 0.3393



76.4838, 0.3029, 0.2220



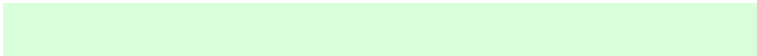
76.4838, 0.4463, 0.3010

# Sweetspot

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



76.4870, 0.3022, 0.4797



91.3408, 0.3096, 0.3670



91.5051, 0.3815, 0.4521



19.3212, 0.3092, 0.3729



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.



76.4870, 0.3022, 0.4797



75.4806, 0.3005, 0.5146



78.7657, 0.2729, 0.3990



20.1844, 0.3108, 0.3522



37.3939, 0.2991, 0.5967



3.6464, 0.2969, 0.5888



# Inverse Universe

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



42.7247, 0.3245, 0.2141



37.4497, 0.3271, 0.1954



39.5175, 0.3883, 0.2705



18.2820, 0.3147, 0.3069



14.4316, 0.3353, 0.1621

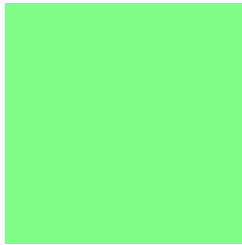


1.4102, 0.3335, 0.1611



# Previews

## White Background



This preview shows how the Yxy color 76.4838, 0.3022, 0.4797 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 76.4838, 0.3022, 0.4797 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

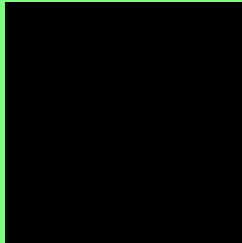
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

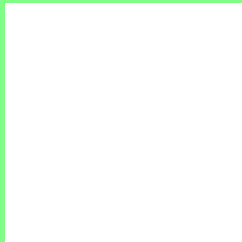
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 76.4838, 0.3022, 0.4797**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.4838, 0.3022, 0.4797.

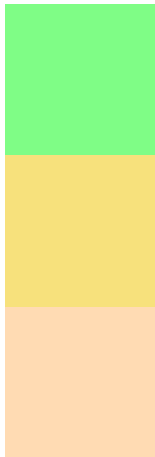


This preview shows how white text looks on a background with the Yxy color 76.4838, 0.3022, 0.4797.

# 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

76.4838, 0.3022, 0.4797

### Protanopia

75.0798, 0.3963, 0.4317

### Deuteranopia

75.1777, 0.3678, 0.3701



## Tritanopia

76.2616, 0.2597, 0.3098

# Trichromacy



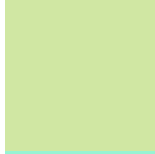
## Original Color

76.4838, 0.3022, 0.4797



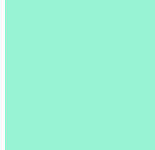
## Protanomaly

73.6717, 0.3562, 0.4507



## Deuteranomaly

73.2061, 0.3401, 0.4068



## Tritanomaly

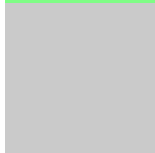
75.3836, 0.2758, 0.3675

# Monochromacy



## Original Color

76.4838, 0.3022, 0.4797



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

64.0012, 0.3088, 0.3839

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.4838, 0.3022, 0.4797 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(127, 253, 134)` looks like.

```
.text, #text, p{  
    color:rgb(127, 253, 134)  
}
```

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(127, 253, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 253, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 76.4838, 0.3022, 0.4797 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(127, 253, 134) }
```

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

```
.border{ border-color:rgb(127, 253, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 253, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 253, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 253, 134);  
box-shadow:4px 4px 4px 4px rgb(127, 253,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.4838, 0.3022, 0.4797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 253, 134) }
```

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

```
.background{ background-color: rgb(127,  
253, 134) }
```

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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