

# Converting Colors

$Yxy(77.7079, 0.3038, 0.4850)$

Have a look what the booklet for  
Yxy(77.7079, 0.3038, 0.4850)  
contains.

<b>Yxy(77.7479, 0.3040, 0.4847)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(77.7479, 0.3040, 0.4847)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80FF83
RGB	128, 255, 131
RGB Percent	50%, 100%, 51%
CMY	0.4978, 0.0000, 0.4864
CMYK	0.50, 0.00, 0.49, 0.00
HSL	121°, 100%, 75%
HSV	121°, 50%, 100%
XYZ	48.7629, 77.7479, 33.8934
YIQ	202.8910, -35.8880, -65.4880

# Conversions

## Conversions Part 2

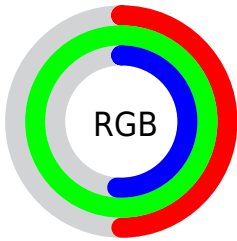
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">128, 252, 255</a>
Decimal	<a href="#">8454019</a>
CIELab	<a href="#">90.66, -59.49, 48.36</a>
CIELCh	<a href="#">91, 76.668, 140.892</a>
Yxy	<a href="#">77.7479, 0.3040, 0.4847</a>
Android (android.graphics.Color)	<a href="#">4286644099 (0xFF80FF83)</a>
YUV	<a href="#">202.8910, -35.4423, -65.6794</a>
Hunter-Lab	<a href="#">88.1748, -55.5909, 38.9319</a>

# Details

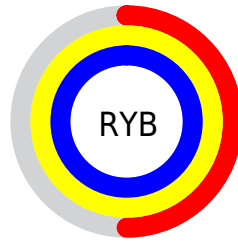
The Yxy color **77.7479, 0.3040, 0.4847** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **43.7484, 0.3209, 0.2109**, and the grayscale version is **59.9006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7565, 0.3102, 0.4070**, and **41.6064, 0.2973, 0.5258** is the 20% darker color. If you saturate the color by 10%, you get **75.4188, 0.3024, 0.5194**, and if you desaturate by 10%, it is **80.7427, 0.3058, 0.4490**.

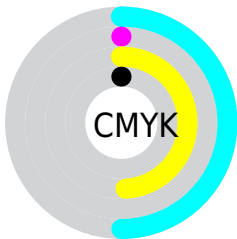
# Distribution



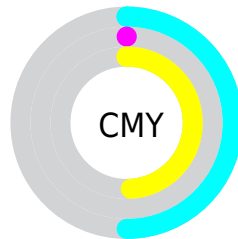
- Red (50%)
- Green (100%)
- Blue (51%)



- Red (50%)
- Yellow (99%)
- Blue (100%)



- Cyan (50%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)




- Cyan (50%)
- Magenta (0%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.7479, 0.3040, 0.4847 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 77.7479, 0.3040, 0.4847 by changing the saturation by 10% instead.





 77.7479, 0.3040,  
0.4847

 77.7479, 0.3040,  
0.4847


487.3102, 0.3118,  
0.4081

 57.8669, 0.3011,  
0.5030


 130.1947, 0.3076,  
0.4574

 41.7017, 0.2970,  
0.5258


 163.5293, 0.3087,  
0.4470

 28.8678, 0.2908,  
0.5550


 202.1172, 0.3096,  
0.4381

 18.9808, 0.2812,  
0.5933

246.3428, 0.3102,  
0.4304

 11.6564, 0.2651,  
0.6445

296.5905, 0.3108,  
0.4238

 6.5102, 0.2405,  
0.7244


353.2447, 0.3112,


 3.1577, 0.1861,

0.4179

0.8139

416.6898, 0.3115,  
0.4127

 1.2146, 0.0000,  
1.0000


 0.0736, 0.0000,  
1.0000


 77.7479, 0.3040,  
0.4847

 77.7479, 0.3040,  
0.4847

 75.4188, 0.3024,  
0.5194

 80.7427, 0.3058,  
0.4490


 73.6960, 0.3010,  
0.5503

 84.4383, 0.3077,  
0.4145

 72.5258, 0.3002,  
0.5748

 88.8785, 0.3095,  
0.3825

 71.8407, 0.2998,  
0.5911

 94.1011, 0.3112,  
0.3537

■ 71.5374, 0.2997,  
0.5989

99.9998, 0.3127,  
0.3290

■ 71.5326, 0.2997,  
0.5990

# Harmonies

## Analogous

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



77.7479, 0.3879, 0.4905



77.7479, 0.3040, 0.4847



77.7479, 0.2270, 0.4096

# Triad

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



77.7479, 0.3040, 0.4847



77.7479, 0.1776, 0.2024



77.7479, 0.4675, 0.3185

# Complementary

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



77.7479, 0.3040, 0.4847



43.7484, 0.3209, 0.2109

# 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.



77.7479, 0.3930, 0.2618



77.7479, 0.3040, 0.4847



77.7479, 0.2238, 0.1980

# Square

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



77.7479, 0.3040, 0.4847



77.7479, 0.1619, 0.2378



77.7479, 0.3001, 0.2192



77.7479, 0.4897, 0.3817



# Rectangle

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



77.7479, 0.3040, 0.4847



77.7479, 0.1902, 0.3421



77.7479, 0.3001, 0.2192



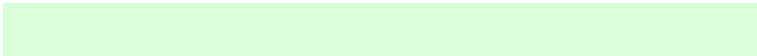
77.7479, 0.4473, 0.2986

# Sweetspot

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



77.7512, 0.3040, 0.4847



91.2757, 0.3103, 0.3683



93.9408, 0.3844, 0.4507



19.3057, 0.3100, 0.3745



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

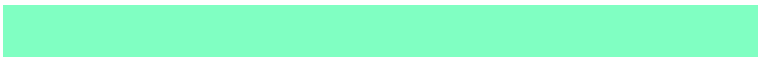
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.7512, 0.3040, 0.4847



75.3749, 0.3023, 0.5201



79.9927, 0.2749, 0.4045



20.1749, 0.3112, 0.3530



37.3803, 0.2996, 0.5986



3.6418, 0.2987, 0.5953



# Inverse Universe

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



43.7484, 0.3209, 0.2109



37.7597, 0.3225, 0.1918



40.4058, 0.3836, 0.2663



18.2928, 0.3142, 0.3061



14.6916, 0.3267, 0.1573

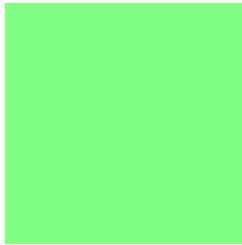


1.4327, 0.3260, 0.1570



# Previews

## White Background



This preview shows how the Yxy color 77.7479, 0.3040, 0.4847 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 77.7479, 0.3040, 0.4847 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

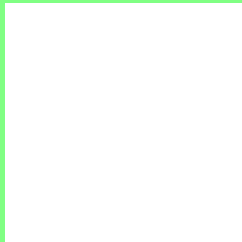
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.7479, 0.3040, 0.4847**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.7479, 0.3040, 0.4847.

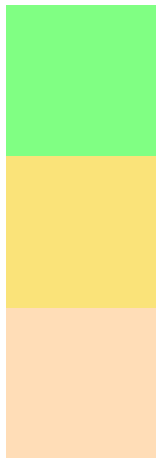


This preview shows how white text looks on a background with the Yxy color 77.7479, 0.3040, 0.4847.

# 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

77.7479, 0.3040, 0.4847

### Protanopia

76.6426, 0.3993, 0.4351

### Deuteranopia

76.3918, 0.3644, 0.3680



## Tritanopia

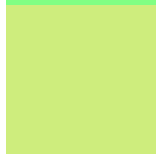
76.9151, 0.2628, 0.3100

# Trichromacy



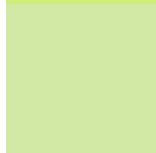
## Original Color

77.7479, 0.3040, 0.4847



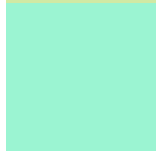
## Protanomaly

75.1709, 0.3594, 0.4545



## Deuteranomaly

74.5135, 0.3398, 0.4075



## Tritanomaly

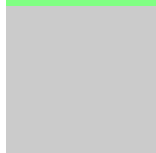
76.3231, 0.2785, 0.3696

# Monochromacy



## Original Color

77.7479, 0.3040, 0.4847



## Achromatopsia

59.7202, 0.3127, 0.3290



## Achromatomaly

64.6470, 0.3094, 0.3849

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.7479, 0.3040, 0.4847 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(128, 255, 131)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 131)  
}
```

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(128, 255, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 77.7479, 0.3040, 0.4847 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(128, 255, 131) }
```

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

```
.border{ border-color:rgb(128, 255, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 255, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 131);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.7479, 0.3040, 0.4847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 131) }
```

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

```
.background{ background-color: rgb(128,  
255, 131) }
```

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