

# Converting Colors

$Yxy(78.8462, 0.2974, 0.4576)$

Have a look what the booklet for  
Yxy(78.8462, 0.2974, 0.4576)  
contains.

<b>Yxy(78.8553, 0.2974, 0.4576)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(78.8553, 0.2974, 0.4576)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86FF98
RGB	134, 255, 152
RGB Percent	53%, 100%, 60%
CMY	0.4748, 0.0000, 0.4040
CMYK	0.47, 0.00, 0.40, 0.00
HSL	129°, 100%, 76%
HSV	129°, 47%, 100%
XYZ	51.2491, 78.8553, 42.2193
YIQ	207.0790, -39.0530, -57.6850

# Conversions

## Conversions Part 2

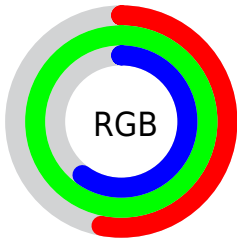
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">134, 239, 255</a>
Decimal	<a href="#">8847256</a>
CIELab	<a href="#">91.17, -54.97, 38.93</a>
CIELCh	<a href="#">91, 67.364, 144.694</a>
Yxy	<a href="#">78.8553, 0.2974, 0.4576</a>
Android (android.graphics.Color)	<a href="#">4287037336 (0xFF86FF98)</a>
YUV	<a href="#">207.0790, -27.1539, -64.0903</a>
Hunter-Lab	<a href="#">88.8005, -52.3840, 33.9715</a>

# Details

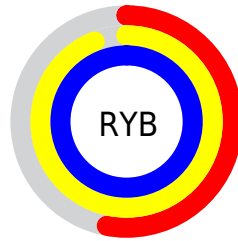
The Yxy color **78.8553, 0.2974, 0.4576** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **44.4001, 0.3341, 0.2281**, and the grayscale version is **62.6309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3625, 0.3019, 0.3821**, and **42.2691, 0.2903, 0.4905** is the 20% darker color. If you saturate the color by 10%, you get **76.3545, 0.2953, 0.4897**, and if you desaturate by 10%, it is **81.9782, 0.3002, 0.4261**.

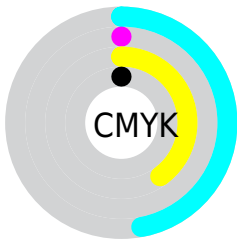
# Distribution



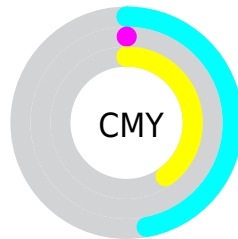
- Red (53%)
- Green (100%)
- Blue (60%)



- Red (53%)
- Yellow (94%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (47%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8553, 0.2974, 0.4576 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 78.8553, 0.2974, 0.4576 by changing the saturation by 10% instead.





 78.8553, 0.2974,  
0.4576

 78.8553, 0.2974,  
0.4576


491.0667, 0.3069,  
0.3947

 58.7768, 0.2946,  
0.4727


 131.7551, 0.3012,  
0.4352

 42.4335, 0.2907,  
0.4916


 165.3453, 0.3026,  
0.4266

 29.4409, 0.2852,  
0.5159


 204.2082, 0.3037,  
0.4193

 19.4146, 0.2771,  
0.5483

248.7281, 0.3046,  
0.4130

 11.9702, 0.2642,  
0.5928

299.2895, 0.3053,  
0.4076

 6.7234, 0.2423,  
0.6564


356.2769, 0.3059,


 3.2897, 0.2122,


0.4027


0.7878


420.0744, 0.3065,  
0.3985


 1.2848, 0.0000,  
1.0000


 0.1294, 0.0000,  
1.0000


 78.8553, 0.2974,  
0.4576


 78.8553, 0.2974,  
0.4576


 76.3545, 0.2953,  
0.4897


 81.9782, 0.3002,  
0.4261


 74.4511, 0.2941,  
0.5206

 85.7823, 0.3034,  
0.3964

 73.0889, 0.2940,  
0.5482

 90.2978, 0.3068,  
0.3694

 72.2099, 0.2949,  
0.5707

 95.5585, 0.3102,  
0.3452

■ 71.7397, 0.2967,  
0.5866

100.0000, 0.3127,  
0.3290

■ 71.6602, 0.2971,  
0.5896

# Harmonies

## Analogous

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



78.8553, 0.3726, 0.4733



78.8553, 0.2974, 0.4576



78.8553, 0.2305, 0.3882

# Triad

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



78.8553, 0.2974, 0.4576



78.8553, 0.1954, 0.2141



78.8553, 0.4536, 0.3285

# Complementary

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



78.8553, 0.2974, 0.4576



44.4001, 0.3341, 0.2281

# 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.



78.8553, 0.3932, 0.2755



78.8553, 0.2974, 0.4576



78.8553, 0.2413, 0.2126

# Square

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



78.8553, 0.2974, 0.4576



78.8553, 0.1776, 0.2434



78.8553, 0.3123, 0.2345



78.8553, 0.4680, 0.3862



# Rectangle

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



78.8553, 0.2974, 0.4576



78.8553, 0.1993, 0.3309



78.8553, 0.3123, 0.2345



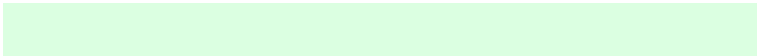
78.8553, 0.4377, 0.3100

# Sweetspot

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



78.8488, 0.2974, 0.4576



92.0425, 0.3080, 0.3606



91.5649, 0.3717, 0.4502



19.4671, 0.3072, 0.3660



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.



78.8488, 0.2974, 0.4576



76.4604, 0.2954, 0.4881



81.2656, 0.2695, 0.3823



20.2123, 0.3095, 0.3498



37.4572, 0.2966, 0.5878



3.6595, 0.2919, 0.5707



# Inverse Universe

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



44.4001, 0.3341, 0.2281



38.2376, 0.3395, 0.2110



41.5167, 0.3944, 0.2832



18.2510, 0.3161, 0.3090



13.7430, 0.3627, 0.1772

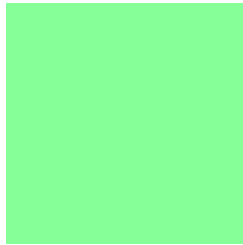


1.3502, 0.3572, 0.1741



# Previews

## White Background



This preview shows how the Yxy color 78.8553, 0.2974, 0.4576 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

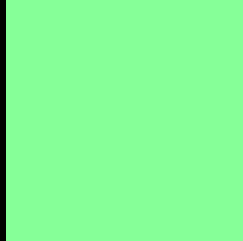
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.8553, 0.2974, 0.4576 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

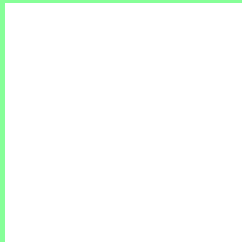
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.8553, 0.2974, 0.4576**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.8553, 0.2974, 0.4576.

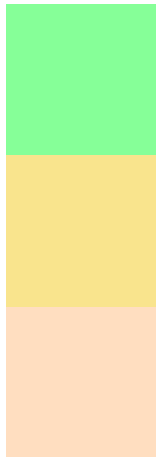


This preview shows how white text looks on a background with the Yxy color 78.8553, 0.2974, 0.4576.

# 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

78.8553, 0.2974, 0.4576

### Protanopia

77.5496, 0.3860, 0.4179

### Deuteranopia

77.3083, 0.3577, 0.3597



## Tritanopia

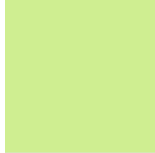
78.1831, 0.2660, 0.3113

# Trichromacy



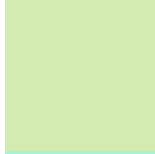
## Original Color

78.8553, 0.2974, 0.4576



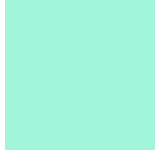
## Protanomaly

76.4588, 0.3486, 0.4340



## Deuteranomaly

75.8688, 0.3329, 0.3932



## Tritanomaly

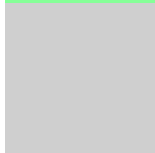
77.9438, 0.2776, 0.3606

# Monochromacy



## Original Color

78.8553, 0.2974, 0.4576



## Achromatopsia

62.3960, 0.3127, 0.3290



## Achromatomaly

66.6025, 0.3058, 0.3741

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.8553, 0.2974, 0.4576 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(134, 255, 152)` looks like.

```
.text, #text, p{  
    color:rgb(134, 255, 152)  
}
```

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(134, 255, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 78.8553, 0.2974, 0.4576 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(134, 255, 152) }
```

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

```
.border{ border-color:rgb(134, 255, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 255, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(134, 255, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(134, 255, 152); box-shadow:4px 4px 4px 4px rgb(134, 255, 152) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.8553, 0.2974, 0.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 255, 152) }
```

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

```
.background{ background-color: rgb(134,  
255, 152) }
```

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