

# Converting Colors

$Y_{xy}(100.0000, 0.3437, 0.4513)$

Have a look what the booklet for  
Yxy(100.0000, 0.3437, 0.4513)  
contains.

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# Color

**Yxy(88.7253, 0.3474, 0.4377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAFF99
RGB	218, 255, 153
RGB Percent	85%, 100%, 60%
CMY	0.1452, 0.0000, 0.3999
CMYK	0.15, 0.00, 0.40, 0.00
HSL	82°, 100%, 80%
HSV	82°, 40%, 100%
XYZ	70.4208, 88.7253, 43.5620
YIQ	232.3090, 10.6900, -39.5660

# Conversions

## Conversions Part 2

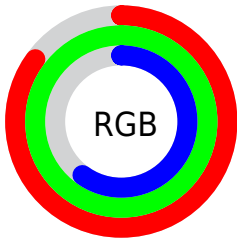
<b>Format</b>	<b>Color</b>
<b>RYB</b>	153, 255, 190
Decimal	14352281
CIELab	95.47, -28.02, 44.81
CIELCh	95, 52.849, 122.016
Yxy	88.7253, 0.3474, 0.4377
Android (android.graphics.Color)	4292542361 (0xFFDAFF99)
YUV	232.3090, -39.0993, -12.5490
Hunter-Lab	94.1941, -31.3907, 38.5160

# Details

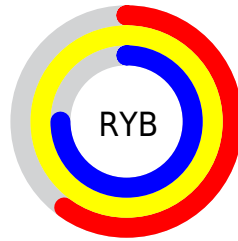
The Yxy color **88.7253, 0.3474, 0.4377** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.9647, 0.2647, 0.2139**, and the grayscale version is **81.2297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **48.9896, 0.3530, 0.4625** is the 20% darker color. If you saturate the color by 10%, you get **86.5813, 0.3541, 0.4657**, and if you desaturate by 10%, it is **91.1254, 0.3394, 0.4091**.

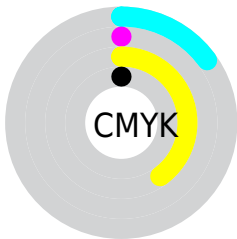
# Distribution



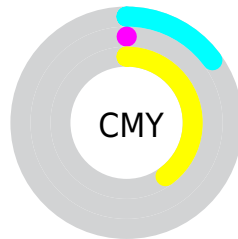
- Red (85%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (75%)



- Cyan (15%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.7253, 0.3474, 0.4377 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 88.7253, 0.3474, 0.4377 by changing the saturation by 10% instead.



 88.7253, 0.3474,  
0.4377


 88.7253, 0.3474,  
0.4377


523.8755, 0.3338,  
0.3875

 66.9239, 0.3498,  
0.4490


 145.5665, 0.3432,  
0.4204

 49.0228, 0.3525,  
0.4627

 181.3751, 0.3414,  
0.4136

 34.6376, 0.3553,  
0.4797


222.6216, 0.3398,  
0.4078

 23.3838, 0.3580,  
0.5014

269.6903, 0.3383,  
0.4027

 14.8772, 0.3598,  
0.5294

322.9656, 0.3370,  
0.3982

 8.7332, 0.3590,  
0.5663


382.8320, 0.3358,


 4.5676, 0.3630,

0.3942

0.6370


449.6739, 0.3348,  
0.3907


 1.9959, 0.3219,  
0.6781


 0.6051, 0.0000,  
1.0000

 88.7253, 0.3474,  
0.4377


 88.7253, 0.3474,  
0.4377

 86.5813, 0.3541,  
0.4657

 91.1254, 0.3394,  
0.4091

 84.6861, 0.3591,  
0.4918

 93.7989, 0.3307,  
0.3810

 83.0235, 0.3619,  
0.5148

 96.7549, 0.3217,  
0.3541

 81.5774, 0.3623,  
0.5334

100.0000, 0.3127,  
0.3290

■ 80.3288, 0.3601,  
0.5469

■ 79.2475, 0.3558,  
0.5557

■ 79.2464, 0.3558,  
0.5557

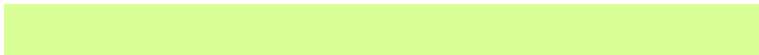
# Harmonies

## Analogous

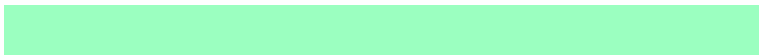
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7253, 0.3990, 0.4247



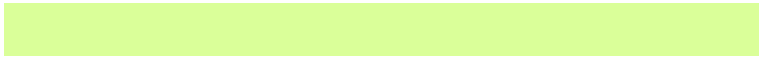
88.7253, 0.3474, 0.4377



88.7253, 0.2892, 0.4134

# Triad

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



88.7253, 0.3474, 0.4377



88.7253, 0.2078, 0.2563



88.7253, 0.3871, 0.2979

# Complementary

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



88.7253, 0.3474, 0.4377



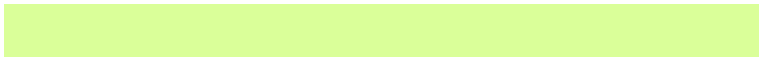
40.9647, 0.2647, 0.2139

# 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.



88.7253, 0.3284, 0.2616



88.7253, 0.3474, 0.4377



88.7253, 0.2280, 0.2371

# Square

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



88.7253, 0.3474, 0.4377



88.7253, 0.2117, 0.2988



88.7253, 0.2703, 0.2399

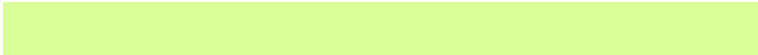


88.7253, 0.4252, 0.3424



# Rectangle

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



88.7253, 0.3474, 0.4377



88.7253, 0.2546, 0.3786



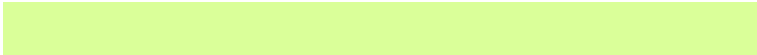
88.7253, 0.2703, 0.2399



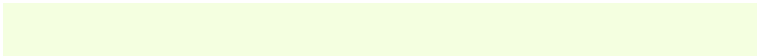
88.7253, 0.3688, 0.2845

# Sweetspot

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



88.7235, 0.3474, 0.4377



96.1372, 0.3235, 0.3594



59.8349, 0.3990, 0.3666



20.4928, 0.3247, 0.3629



0.0000, 0.0000, 0.0000

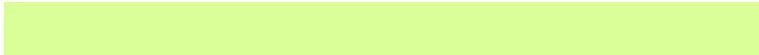


21.4041, 0.3127, 0.3290

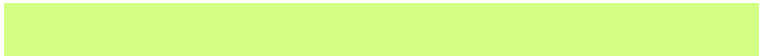


# Same Dimension

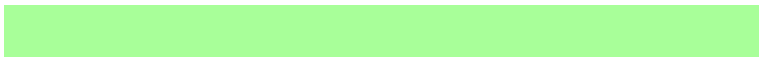
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.7235, 0.3474, 0.4377



86.9873, 0.3529, 0.4602



82.1812, 0.3157, 0.4494



20.7418, 0.3213, 0.3529



41.4953, 0.3568, 0.5549



4.1020, 0.3639, 0.5492



# Inverse Universe

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



40.9647, 0.2647, 0.2139



33.2368, 0.2523, 0.1884



48.4851, 0.3046, 0.2263



17.6987, 0.3036, 0.3048



5.0535, 0.1785, 0.0757

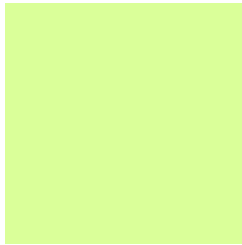


0.5512, 0.1909, 0.0825



# Previews

## White Background



This preview shows how the Yxy color 88.7253, 0.3474, 0.4377 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 88.7253, 0.3474, 0.4377 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

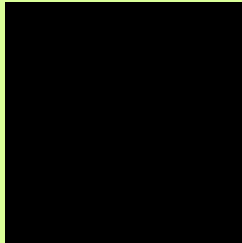
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

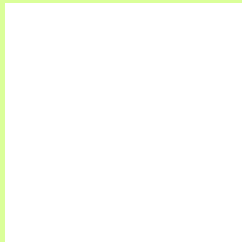
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.7253, 0.3474, 0.4377**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.7253, 0.3474, 0.4377.

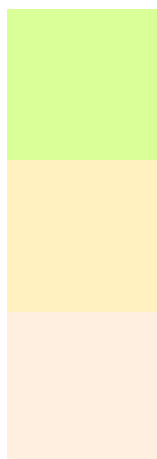


This preview shows how white text looks on a background with the Yxy color 88.7253, 0.3474, 0.4377.

# 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

88.7253, 0.3474, 0.4377

### Protanopia

87.9764, 0.3533, 0.3781

### Deuteranopia

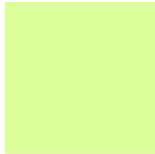
88.3748, 0.3329, 0.3439



## Tritanopia

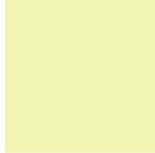
88.5571, 0.3012, 0.3160

# Trichromacy



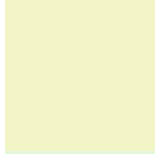
## Original Color

88.7253, 0.3474, 0.4377



## Protanomaly

88.0031, 0.3518, 0.3989



## Deuteranomaly

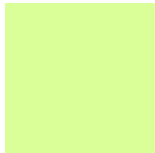
88.2593, 0.3396, 0.3772



## Tritanomaly

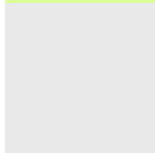
88.2415, 0.3184, 0.3591

# Monochromacy



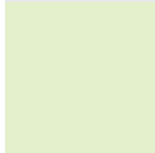
## Original Color

88.7253, 0.3474, 0.4377



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.9629, 0.3269, 0.3684

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.7253, 0.3474, 0.4377 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(218, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 153)  
}
```

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(218, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 88.7253, 0.3474, 0.4377 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(218, 255, 153) }
```

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

```
.border{ border-color:rgb(218, 255, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 255, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 255, 153); box-shadow:4px 4px 4px 4px rgb(218, 255, 153) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.7253, 0.3474, 0.4377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 153) }
```

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

```
.background{ background-color: rgb(218,  
255, 153) }
```

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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