

# Converting Colors

$Y_{xy}(100.0000, 0.3433, 0.4487)$

Have a look what the booklet for  
Yxy(100.0000, 0.3433, 0.4487)  
contains.

|   |    |
|---|----|
| <b>Yxy(88.9466, 0.3470, 0.4354)</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(88.9466, 0.3470, 0.4354)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | DBFF9B                      |
| RGB         | 219, 255, 155               |
| RGB Percent | 86%, 100%, 61%              |
| CMY         | 0.1412, 0.0000, 0.3921      |
| CMYK        | 0.14, 0.00, 0.39, 0.00      |
| HSL         | 82°, 100%, 80%              |
| HSV         | 82°, 39%, 100%              |
| XYZ         | 70.8876, 88.9466, 44.4529   |
| YIQ         | 232.8360, 10.6440, -38.7320 |

# Conversions

## Conversions Part 2

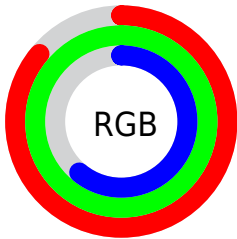
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 155, 255, 191                   |
| Decimal                             | 14417819                        |
| CIELab                              | 95.56, -27.42, 43.97            |
| CIELCh                              | 96, 51.821, 121.946             |
| Yxy                                 | 88.9466, 0.3470,<br>0.4354      |
| Android<br>(android.graphics.Color) | 4292607899<br>(0xFFDBFF9B)      |
| YUV                                 | 232.8360, -38.3731,<br>-12.1342 |
| Hunter-Lab                          | 94.3115, -30.8787,<br>38.0723   |

# Details

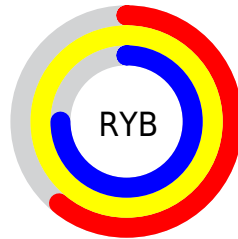
The Yxy color **88.9466, 0.3470, 0.4354** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.7533, 0.2657, 0.2163**, and the grayscale version is **81.6414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **49.1340, 0.3526, 0.4596** is the 20% darker color. If you saturate the color by 10%, you get **86.7908, 0.3539, 0.4634**, and if you desaturate by 10%, it is **91.3586, 0.3389, 0.4069**.

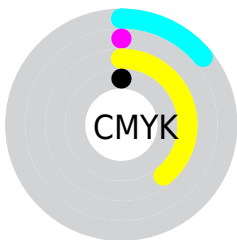
# Distribution



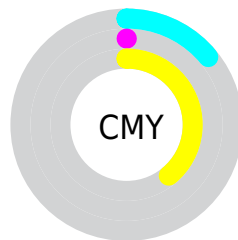
- Red (86%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (75%)



- Cyan (14%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (14%)
- Magenta (0%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.9466, 0.3470, 0.4354 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 88.9466, 0.3470, 0.4354 by changing the saturation by 10% instead.





 88.9466, 0.3470,  
0.4354


 88.9466, 0.3470,  
0.4354


524.5982, 0.3335,  
0.3863

 67.1073, 0.3495,  
0.4464


 145.8743, 0.3428,  
0.4185

 49.1718, 0.3521,  
0.4598


 181.7315, 0.3410,  
0.4119

 34.7558, 0.3550,  
0.4765


223.0301, 0.3394,  
0.4061

 23.4748, 0.3578,  
0.4977

270.1545, 0.3380,  
0.4011

 14.9445, 0.3599,  
0.5252

323.4891, 0.3367,  
0.3968

 8.7804, 0.3595,  
0.5616

383.4184, 0.3355,

 4.5983, 0.3657,

0.3929

0.6334

450.3266, 0.3344,  
0.3894

■ 2.0135, 0.3260,  
0.6740

■ 0.6153, 0.0000,  
1.0000

■ 88.9466, 0.3470,  
0.4354

■ 88.9466, 0.3470,  
0.4354

■ 86.7908, 0.3539,  
0.4634

■ 91.3586, 0.3389,  
0.4069

■ 84.8836, 0.3591,  
0.4897

■ 94.0435, 0.3301,  
0.3789

■ 83.2090, 0.3621,  
0.5129

■ 97.0105, 0.3210,  
0.3521

■ 81.7512, 0.3627,  
0.5318

100.0000, 0.3127,  
0.3290

■ 80.4916, 0.3607,  
0.5457

■ 79.4025, 0.3566,  
0.5547

■ 79.3207, 0.3563,  
0.5553

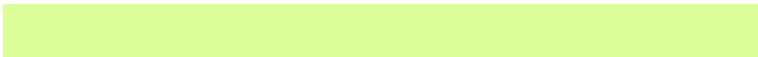
# Harmonies

## Analogous

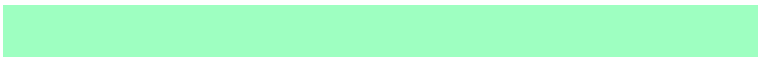
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9466, 0.3975, 0.4228



88.9466, 0.3470, 0.4354



88.9466, 0.2899, 0.4116

# Triad

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



88.9466, 0.3470, 0.4354



88.9466, 0.2097, 0.2579



88.9466, 0.3855, 0.2984

# Complementary

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



88.9466, 0.3470, 0.4354



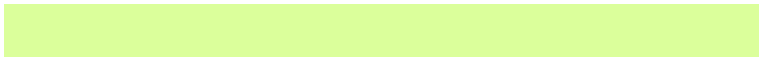
41.7533, 0.2657, 0.2163

# 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.



88.9466, 0.3280, 0.2628



88.9466, 0.3470, 0.4354



88.9466, 0.2295, 0.2388

# Square

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



88.9466, 0.3470, 0.4354



88.9466, 0.2136, 0.2997



88.9466, 0.2710, 0.2414

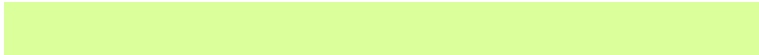


88.9466, 0.4229, 0.3422



# Rectangle

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



88.9466, 0.3470, 0.4354



88.9466, 0.2559, 0.3777



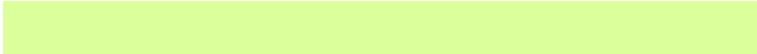
88.9466, 0.2710, 0.2414



88.9466, 0.3676, 0.2853

# Sweetspot

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



88.9449, 0.3470, 0.4354



96.1524, 0.3236, 0.3594



60.4617, 0.3968, 0.3658



20.4964, 0.3248, 0.3629



0.0000, 0.0000, 0.0000

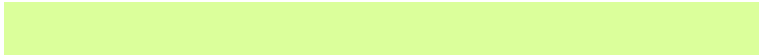


21.4041, 0.3127, 0.3290

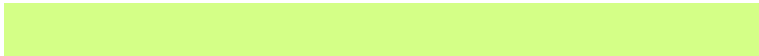


# Same Dimension

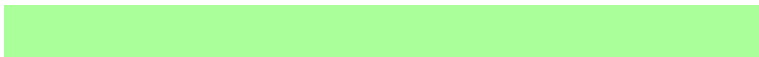
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.9449, 0.3470, 0.4354



87.2442, 0.3525, 0.4573



82.4360, 0.3157, 0.4467



20.7444, 0.3213, 0.3529



41.5339, 0.3573, 0.5545



4.1056, 0.3643, 0.5489



# Inverse Universe

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



41.7533, 0.2657, 0.2163



34.0936, 0.2537, 0.1915



49.1974, 0.3049, 0.2282



17.6962, 0.3035, 0.3048



5.0341, 0.1781, 0.0755

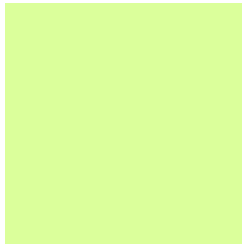


0.5491, 0.1905, 0.0823



# Previews

## White Background



This preview shows how the Yxy color 88.9466, 0.3470, 0.4354 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 88.9466, 0.3470, 0.4354 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

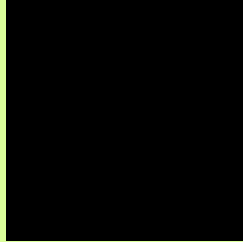
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

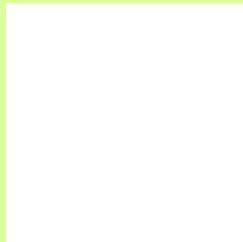
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.9466, 0.3470, 0.4354**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.9466, 0.3470, 0.4354.

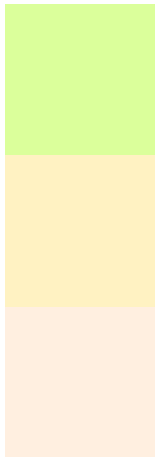


This preview shows how white text looks on a background with the Yxy color 88.9466, 0.3470, 0.4354.

# 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

88.9466, 0.3470, 0.4354

### Protanopia

88.6593, 0.3518, 0.3770

### Deuteranopia

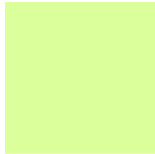
88.3748, 0.3329, 0.3439



## Tritanopia

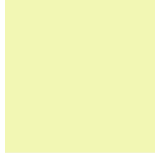
88.5571, 0.3012, 0.3160

# Trichromacy



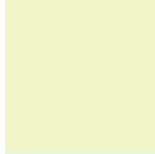
## Original Color

88.9466, 0.3470, 0.4354



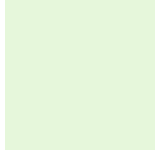
## Protanomaly

88.6941, 0.3503, 0.3977



## Deuteranomaly

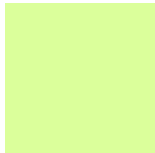
88.3056, 0.3390, 0.3761



## Tritanomaly

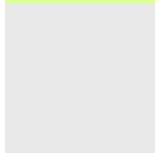
88.4590, 0.3184, 0.3580

# Monochromacy



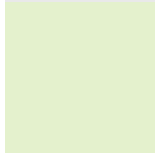
## Original Color

88.9466, 0.3470, 0.4354



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

83.8124, 0.3262, 0.3671

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.9466, 0.3470, 0.4354 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(219, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(219, 255, 155)  
}
```

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(219, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 255, 155) }
```

## Border

The CSS property to change the border of an element to Yxy 88.9466, 0.3470, 0.4354 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(219, 255, 155) }
```

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

```
.border{ border-color:rgb(219, 255, 155) }
```

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

Here you see how a box with a 4 pixel rgb(219, 255, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(219, 255,  
155) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.9466, 0.3470, 0.4354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 255, 155) }
```

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

```
.background{ background-color: rgb(219,  
255, 155) }
```

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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