

# Converting Colors

$Yxy(90.6938, 0.3423, 0.4183)$

Have a look what the booklet for  
Yxy(90.6938, 0.3423, 0.4183)  
contains.

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# Color

**Yxy(90.4678, 0.3422, 0.4175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FFAB
RGB	225, 255, 171
RGB Percent	88%, 100%, 67%
CMY	0.1178, 0.0000, 0.3295
CMYK	0.12, 0.00, 0.33, 0.00
HSL	81°, 100%, 84%
HSV	81°, 33%, 100%
XYZ	74.1511, 90.4678, 52.0704
YIQ	236.4540, 9.0840, -32.4840

# Conversions

## Conversions Part 2

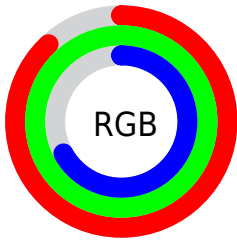
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 255, 201
Decimal	14811051
CIELab	96.19, -23.29, 37.03
CIELCh	96, 43.747, 122.169
Yxy	90.4678, 0.3422, 0.4175
Android (android.graphics.Color)	4293001131 (0xFFE1FFAB)
YUV	236.4540, -32.2688, -10.0452
Hunter-Lab	95.1146, -27.2923, 34.1219

# Details

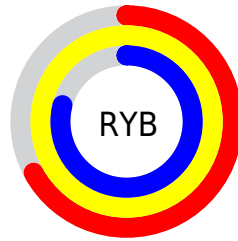
The Yxy color **90.4678, 0.3422, 0.4175** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.7582, 0.2746, 0.2361**, and the grayscale version is **84.4818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **50.1312, 0.3473, 0.4372** is the 20% darker color. If you saturate the color by 10%, you get **88.1543, 0.3500, 0.4459**, and if you desaturate by 10%, it is **93.0330, 0.3336, 0.3892**.

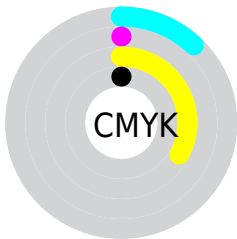
# Distribution



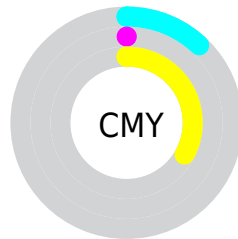
- Red (88%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (79%)



- Cyan (12%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4678, 0.3422, 0.4175 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 90.4678, 0.3422, 0.4175 by changing the saturation by 10% instead.





 90.4678, 0.3422,  
0.4175

 90.4678, 0.3422,  
0.4175


529.5514, 0.3302,  
0.3768

 68.3687, 0.3445,  
0.4266


 147.9880, 0.3384,  
0.4035

 50.1977, 0.3471,  
0.4378


184.1779, 0.3368,  
0.3980

 35.5705, 0.3501,  
0.4517


225.8336, 0.3354,  
0.3933

 24.1027, 0.3533,  
0.4695

273.3393, 0.3341,  
0.3892

 15.4098, 0.3566,  
0.4928

327.0796, 0.3330,  
0.3855

 9.1075, 0.3591,  
0.5245

387.4388, 0.3320,

 4.8114, 0.3604,

0.3823

0.5720

454.8012, 0.3311,  
0.3794

■ 2.1370, 0.3539,  
0.6461

■ 0.6853, 0.1078,  
0.8922

■ 90.4678, 0.3422,  
0.4175

■ 90.4678, 0.3422,  
0.4175

■ 88.1543, 0.3500,  
0.4459

■ 93.0330, 0.3336,  
0.3892

■ 86.1017, 0.3563,  
0.4734

■ 95.8821, 0.3245,  
0.3619

■ 84.2897, 0.3608,  
0.4986

■ 99.0187, 0.3154,  
0.3362

■ 82.7036, 0.3630,  
0.5203

100.0000, 0.3127,  
0.3290

■ 81.3266, 0.3626,  
0.5374

■ 80.1386, 0.3598,  
0.5492

■ 79.3946, 0.3567,  
0.5550

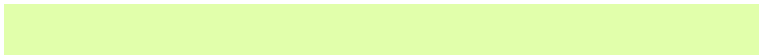
# Harmonies

## Analogous

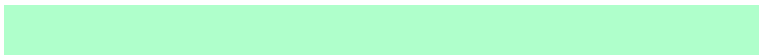
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4678, 0.3847, 0.4089



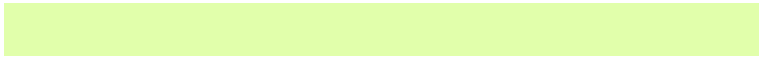
90.4678, 0.3422, 0.4175



90.4678, 0.2938, 0.3970

# Triad

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



90.4678, 0.3422, 0.4175



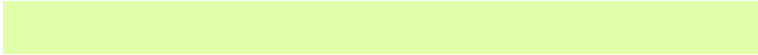
90.4678, 0.2247, 0.2691



90.4678, 0.3742, 0.3036

# Complementary

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



90.4678, 0.3422, 0.4175



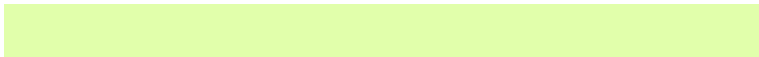
48.7582, 0.2746, 0.2361

# Split Complementary

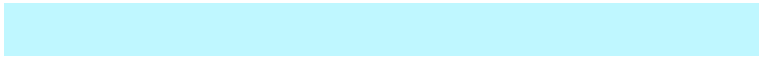
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4678, 0.3264, 0.2726



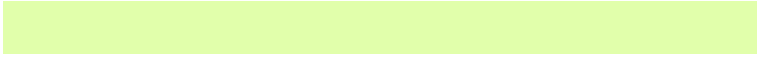
90.4678, 0.3422, 0.4175



90.4678, 0.2421, 0.2521

# Square

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



90.4678, 0.3422, 0.4175



90.4678, 0.2282, 0.3049



90.4678, 0.2781, 0.2541

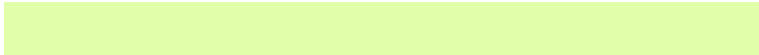


90.4678, 0.4052, 0.3417

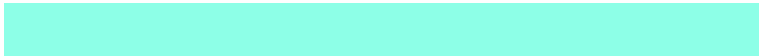


# Rectangle

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



90.4678, 0.3422, 0.4175



90.4678, 0.2648, 0.3692



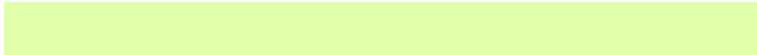
90.4678, 0.2781, 0.2541



90.4678, 0.3593, 0.2922

# Sweetspot

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



90.4608, 0.3422, 0.4175



96.7768, 0.3218, 0.3542



65.6874, 0.3798, 0.3598



20.6223, 0.3231, 0.3578



0.0000, 0.0000, 0.0000

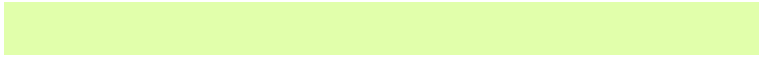


21.4041, 0.3127, 0.3290

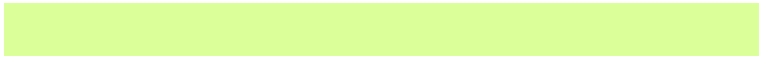


# Same Dimension

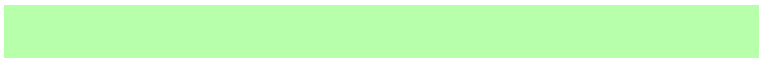
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4608, 0.3422, 0.4175



88.8076, 0.3478, 0.4376



84.5984, 0.3156, 0.4253



20.7469, 0.3214, 0.3529



41.5724, 0.3577, 0.5542



4.1092, 0.3647, 0.5486



# Inverse Universe

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



48.7582, 0.2746, 0.2361



40.8811, 0.2643, 0.2137



55.2857, 0.3065, 0.2443



17.6937, 0.3035, 0.3048



5.0151, 0.1777, 0.0753

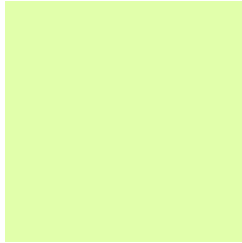


0.5470, 0.1901, 0.0821



# Previews

## White Background



This preview shows how the Yxy color 90.4678, 0.3422, 0.4175 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 90.4678, 0.3422, 0.4175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

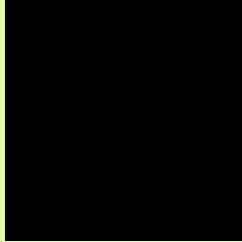
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.4678, 0.3422, 0.4175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.4678, 0.3422, 0.4175.

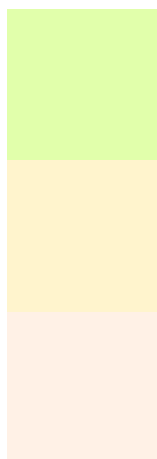


This preview shows how white text looks on a background with the Yxy color 90.4678, 0.3422, 0.4175.

# 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

90.4678, 0.3422, 0.4175

### Protanopia

90.3691, 0.3443, 0.3678

### Deuteranopia

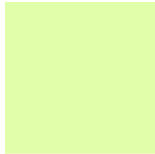
89.8838, 0.3289, 0.3398



## Tritanopia

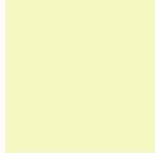
90.4466, 0.3037, 0.3181

# Trichromacy



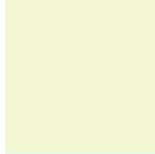
## Original Color

90.4678, 0.3422, 0.4175



## Protanomaly

90.2182, 0.3435, 0.3850



## Deuteranomaly

89.7481, 0.3340, 0.3665



## Tritanomaly

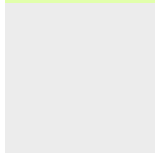
90.1788, 0.3186, 0.3535

# Monochromacy



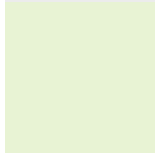
## Original Color

90.4678, 0.3422, 0.4175



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

86.0105, 0.3244, 0.3613

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.4678, 0.3422, 0.4175 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(225, 255, 171)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 171)  
}
```

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(225, 255, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 90.4678, 0.3422, 0.4175 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(225, 255, 171) }
```

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

```
.border{ border-color:rgb(225, 255, 171) }
```

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

Here you see how a box with a 4 pixel rgb(225, 255, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 171);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.4678, 0.3422, 0.4175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 171) }
```

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

```
.background{ background-color: rgb(225,  
255, 171) }
```

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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