

# Converting Colors

$Yxy(90.5055, 0.3429, 0.4181)$

Have a look what the booklet for  
Yxy(90.5055, 0.3429, 0.4181)  
contains.

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# Color

**Yxy(90.4298, 0.3428, 0.4185)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FFAA
RGB	225, 255, 170
RGB Percent	88%, 100%, 67%
CMY	0.1175, 0.0000, 0.3333
CMYK	0.12, 0.00, 0.33, 0.00
HSL	81°, 100%, 83%
HSV	81°, 33%, 100%
XYZ	74.0725, 90.4298, 51.5785
YIQ	236.3400, 9.4050, -32.7950

# Conversions

## Conversions Part 2

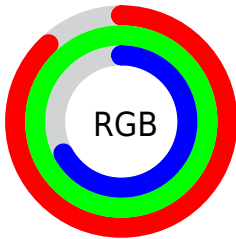
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 255, 200
Decimal	14811050
CIELab	96.17, -23.39, 37.50
CIELCh	96, 44.193, 121.951
Yxy	90.4298, 0.3428, 0.4185
Android (android.graphics.Color)	4293001130 (0xFFE1FFAA)
YUV	236.3400, -32.7056, -9.9452
Hunter-Lab	95.0946, -27.3757, 34.4078

# Details

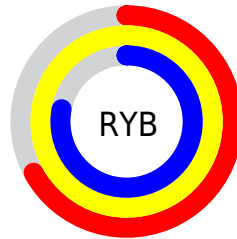
The Yxy color **90.4298, 0.3428, 0.4185** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **48.2441, 0.2737, 0.2348**, and the grayscale version is **84.4102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2710, 0.3298, 0.3572**, and **50.1075, 0.3480, 0.4385** is the 20% darker color. If you saturate the color by 10%, you get **88.1528, 0.3506, 0.4469**, and if you desaturate by 10%, it is **92.9780, 0.3341, 0.3902**.

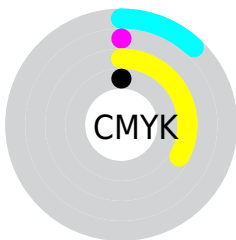
# Distribution



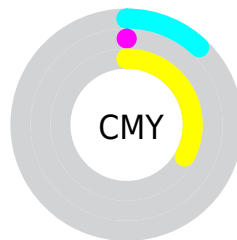
- Red (88%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (78%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.4298, 0.3428, 0.4185 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 90.4298, 0.3428, 0.4185 by changing the saturation by 10% instead.





 90.4298, 0.3428,  
0.4185

 90.4298, 0.3428,  
0.4185


529.4280, 0.3306,  
0.3774

 68.3372, 0.3451,  
0.4277

 147.9353, 0.3389,  
0.4044

 50.1721, 0.3478,  
0.4390


184.1169, 0.3373,  
0.3988

 35.5502, 0.3508,  
0.4530


225.7636, 0.3359,  
0.3940

 24.0870, 0.3541,  
0.4710

273.2599, 0.3346,  
0.3898

 15.3982, 0.3574,  
0.4946

326.9901, 0.3334,  
0.3862

 9.0993, 0.3599,  
0.5264

387.3385, 0.3324,

 4.8060, 0.3614,

0.3829

0.5748

454.6897, 0.3314,  
0.3800

■ 2.1339, 0.3532,  
0.6468

■ 0.6836, 0.1034,  
0.8966

■ 90.4298, 0.3428,  
0.4185

■ 90.4298, 0.3428,  
0.4185

■ 88.1528, 0.3506,  
0.4469

■ 92.9780, 0.3341,  
0.3902

■ 86.1232, 0.3570,  
0.4742

■ 95.7967, 0.3250,  
0.3629

■ 84.3316, 0.3615,  
0.4992

■ 98.9001, 0.3158,  
0.3372

■ 82.7634, 0.3636,  
0.5206

99.9999, 0.3127,  
0.3290

■ 81.4018, 0.3633,  
0.5374

■ 80.2265, 0.3604,  
0.5490

■ 79.5278, 0.3575,  
0.5543

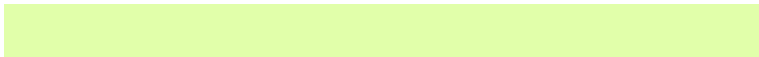
# Harmonies

## Analogous

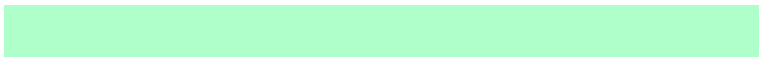
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4298, 0.3856, 0.4095



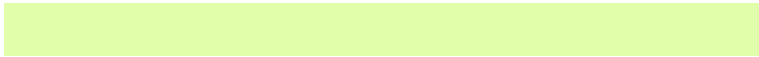
90.4298, 0.3428, 0.4185



90.4298, 0.2939, 0.3980

# Triad

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



90.4298, 0.3428, 0.4185



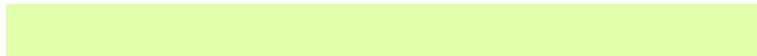
90.4298, 0.2238, 0.2686



90.4298, 0.3745, 0.3031

# Complementary

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



90.4298, 0.3428, 0.4185



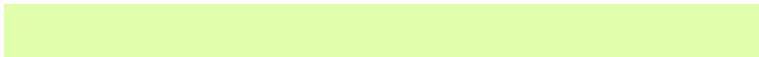
48.2441, 0.2737, 0.2348

# Split Complementary

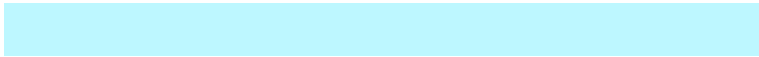
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4298, 0.3261, 0.2719



90.4298, 0.3428, 0.4185



90.4298, 0.2412, 0.2514

# Square

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



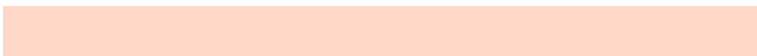
90.4298, 0.3428, 0.4185



90.4298, 0.2275, 0.3049



90.4298, 0.2774, 0.2533

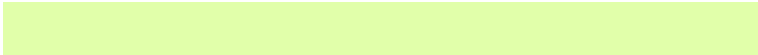


90.4298, 0.4060, 0.3414

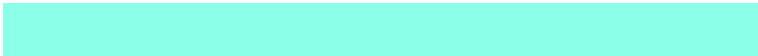


# Rectangle

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



90.4298, 0.3428, 0.4185



90.4298, 0.2646, 0.3700



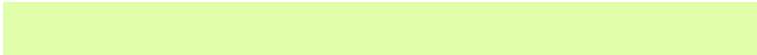
90.4298, 0.2774, 0.2533



90.4298, 0.3594, 0.2916

# Sweetspot

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



90.4338, 0.3428, 0.4185



96.7994, 0.3219, 0.3542



65.3543, 0.3808, 0.3602



20.6278, 0.3232, 0.3578



0.0000, 0.0000, 0.0000

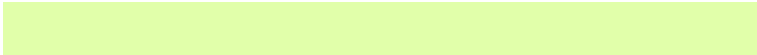


21.4041, 0.3127, 0.3290

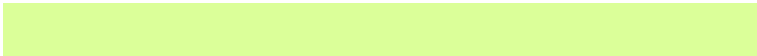


# Same Dimension

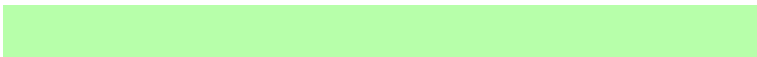
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4338, 0.3428, 0.4185



88.8849, 0.3481, 0.4375



84.4585, 0.3156, 0.4266



20.7515, 0.3214, 0.3529



41.6417, 0.3585, 0.5535



4.1156, 0.3655, 0.5480



# Inverse Universe

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



48.2441, 0.2737, 0.2348



40.8172, 0.2639, 0.2136



54.8900, 0.3064, 0.2433



17.6893, 0.3034, 0.3048



4.9815, 0.1770, 0.0749

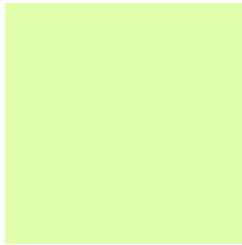


0.5434, 0.1893, 0.0817



# Previews

## White Background



This preview shows how the Yxy color 90.4298, 0.3428, 0.4185 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 90.4298, 0.3428, 0.4185 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

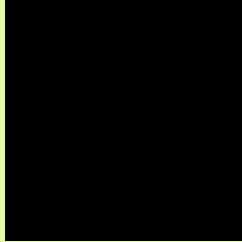
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

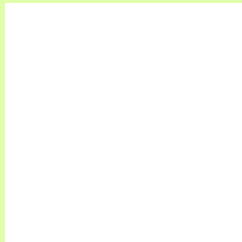
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.4298, 0.3428, 0.4185**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.4298, 0.3428, 0.4185.

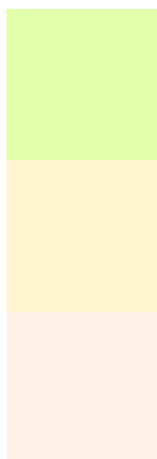


This preview shows how white text looks on a background with the Yxy color 90.4298, 0.3428, 0.4185.

# 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

90.4298, 0.3428, 0.4185

### Protanopia

90.3691, 0.3443, 0.3678

### Deuteranopia

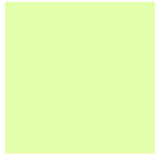
89.8838, 0.3289, 0.3398



## Tritanopia

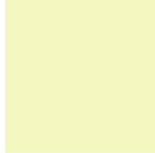
90.4466, 0.3037, 0.3181

# Trichromacy



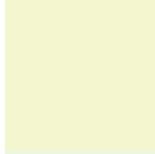
## Original Color

90.4298, 0.3428, 0.4185



## Protanomaly

90.1737, 0.3441, 0.3860



## Deuteranomaly

89.6987, 0.3346, 0.3676



## Tritanomaly

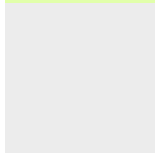
90.1788, 0.3186, 0.3535

# Monochromacy



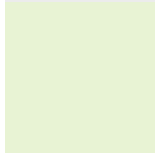
## Original Color

90.4298, 0.3428, 0.4185



## 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 90.4298, 0.3428, 0.4185 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 90.4298, 0.3428, 0.4185 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, 170) }
```

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

```
.border{ border-color:rgb(225, 255, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 170);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.4298, 0.3428, 0.4185 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, 170) }
```

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

```
.background{ background-color: rgb(225,  
255, 170) }
```

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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