

# Converting Colors

$Yxy(90.1264, 0.3428, 0.4207)$

Have a look what the booklet for  
Yxy(90.1264, 0.3428, 0.4207)  
contains.

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# Color

**Yxy(90.1944, 0.3432, 0.4208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0FFA8
RGB	224, 255, 168
RGB Percent	88%, 100%, 66%
CMY	0.1217, 0.0000, 0.3411
CMYK	0.12, 0.00, 0.34, 0.00
HSL	81°, 100%, 83%
HSV	81°, 34%, 100%
XYZ	73.5616, 90.1944, 50.5843
YIQ	235.8130, 9.4510, -33.6290

# Conversions

## Conversions Part 2

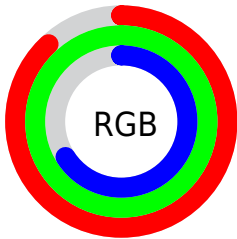
Format	Color
<a href="#">RYB</a>	<a href="#">168, 255, 199</a>
Decimal	<a href="#">14745512</a>
CIELab	<a href="#">96.08, -24.03, 38.34</a>
CIELCh	<a href="#">96, 45.245, 122.076</a>
Yxy	<a href="#">90.1944, 0.3432, 0.4208</a>
Android (android.graphics.Color)	<a href="#">4292935592 (0xFFE0FFA8)</a>
YUV	<a href="#">235.8130, -33.4318, -10.3600</a>
Hunter-Lab	<a href="#">94.9707, -27.9378, 34.8998</a>

# Details

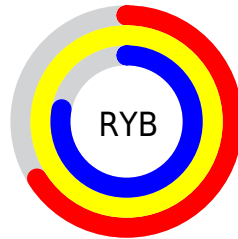
The Yxy color **90.1944, 0.3432, 0.4208** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **47.3798, 0.2729, 0.2325**, and the grayscale version is **83.9780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1618, 0.3310, 0.3592**, and **49.9508, 0.3485, 0.4414** is the 20% darker color. If you saturate the color by 10%, you get **87.9158, 0.3508, 0.4492**, and if you desaturate by 10%, it is **92.7278, 0.3346, 0.3924**.

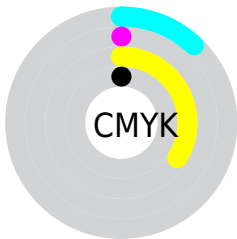
# Distribution



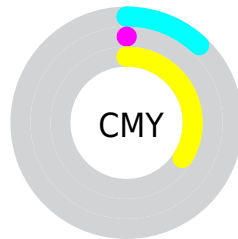
- Red (88%)
- Green (100%)
- Blue (66%)



- Red (66%)
- Yellow (100%)
- Blue (78%)



- Cyan (12%)
- Magenta (0%)
- Yellow (34%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.1944, 0.3432, 0.4208 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 90.1944, 0.3432, 0.4208 by changing the saturation by 10% instead.




 90.1944, 0.3432,  
0.4208

 90.1944, 0.3432,  
0.4208


528.6630, 0.3309,  
0.3786

 68.1419, 0.3456,  
0.4303


 147.6084, 0.3393,  
0.4063

 50.0132, 0.3482,  
0.4418


183.7387, 0.3377,  
0.4006

 35.4239, 0.3512,  
0.4563


225.3303, 0.3362,  
0.3957

 23.9896, 0.3544,  
0.4747

272.7677, 0.3349,  
0.3914

 15.3259, 0.3575,  
0.4989

326.4353, 0.3337,  
0.3876

 9.0484, 0.3597,  
0.5315

386.7175, 0.3327,

 4.7728, 0.3613,

0.3843

0.5822

453.9986, 0.3317,  
0.3813

■ 2.1146, 0.3490,  
0.6510

■ 0.6728, 0.0729,  
0.9271

■ 90.1944, 0.3432,  
0.4208

■ 90.1944, 0.3432,  
0.4208

■ 87.9158, 0.3508,  
0.4492

■ 92.7278, 0.3346,  
0.3924

■ 85.8939, 0.3570,  
0.4765

■ 95.5412, 0.3256,  
0.3650

■ 84.1106, 0.3613,  
0.5013

■ 98.6405, 0.3164,  
0.3391

■ 82.5512, 0.3632,  
0.5225

100.0000, 0.3127,  
0.3290

■ 81.1985, 0.3625,  
0.5389

■ 80.0318, 0.3595,  
0.5502

■ 79.4151, 0.3569,  
0.5549

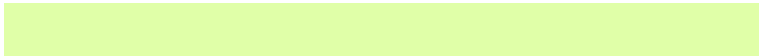
# Harmonies

## Analogous

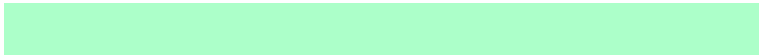
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1944, 0.3871, 0.4115



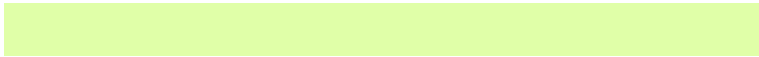
90.1944, 0.3432, 0.4208



90.1944, 0.2932, 0.3997

# Triad

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



90.1944, 0.3432, 0.4208



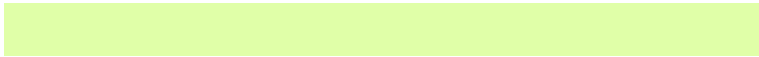
90.1944, 0.2219, 0.2670



90.1944, 0.3762, 0.3026

# Complementary

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



90.1944, 0.3432, 0.4208



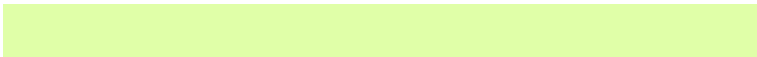
47.3798, 0.2729, 0.2325

# 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.



90.1944, 0.3266, 0.2707



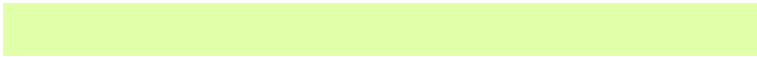
90.1944, 0.3432, 0.4208



90.1944, 0.2397, 0.2496

# Square

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



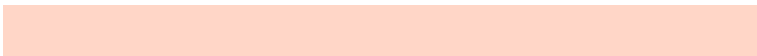
90.1944, 0.3432, 0.4208



90.1944, 0.2255, 0.3040



90.1944, 0.2767, 0.2517

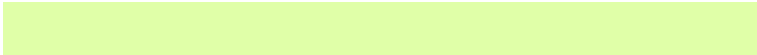


90.1944, 0.4084, 0.3417

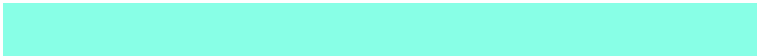


# Rectangle

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



90.1944, 0.3432, 0.4208



90.1944, 0.2632, 0.3709



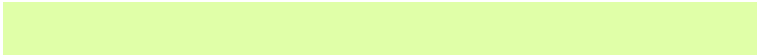
90.1944, 0.2767, 0.2517



90.1944, 0.3608, 0.2909

# Sweetspot

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



90.1897, 0.3432, 0.4208



96.7803, 0.3218, 0.3542



64.6866, 0.3828, 0.3609



20.6231, 0.3231, 0.3578



0.0000, 0.0000, 0.0000

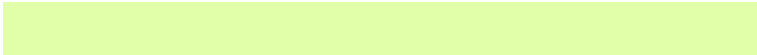


21.4041, 0.3127, 0.3290

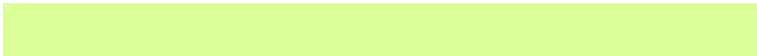


# Same Dimension

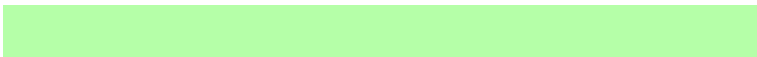
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1897, 0.3432, 0.4208



88.5958, 0.3486, 0.4404



84.1792, 0.3156, 0.4292



20.7476, 0.3214, 0.3529



41.5830, 0.3578, 0.5541



4.1102, 0.3649, 0.5485



# Inverse Universe

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



47.3798, 0.2729, 0.2325



39.8362, 0.2627, 0.2105



54.0999, 0.3062, 0.2413



17.6930, 0.3035, 0.3048



5.0099, 0.1776, 0.0752

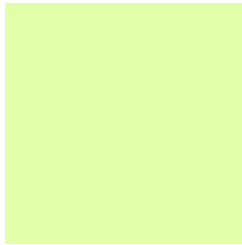


0.5465, 0.1899, 0.0820



# Previews

## White Background



This preview shows how the Yxy color 90.1944, 0.3432, 0.4208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

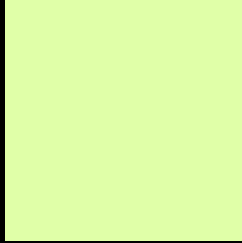
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.1944, 0.3432, 0.4208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

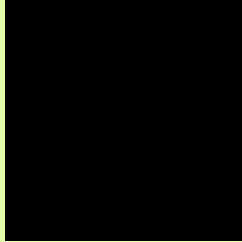
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.1944, 0.3432, 0.4208**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.1944, 0.3432, 0.4208.

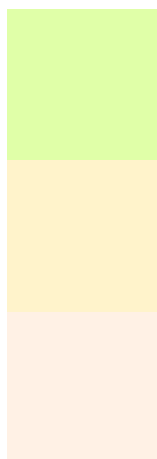


This preview shows how white text looks on a background with the Yxy color 90.1944, 0.3432, 0.4208.

# 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

90.1944, 0.3432, 0.4208

### Protanopia

89.6730, 0.3458, 0.3688

### Deuteranopia

89.8277, 0.3295, 0.3408



## Tritanopia

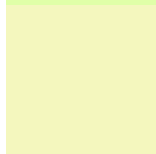
89.8464, 0.3037, 0.3171

# Trichromacy



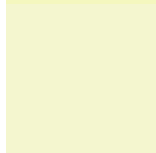
## Original Color

90.1944, 0.3432, 0.4208



## Protanomaly

89.4723, 0.3456, 0.3871



## Deuteranomaly

89.6496, 0.3352, 0.3686



## Tritanomaly

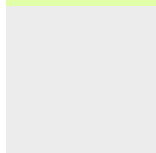
89.3417, 0.3186, 0.3536

# Monochromacy



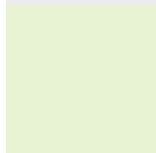
## Original Color

90.1944, 0.3432, 0.4208



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

85.9601, 0.3250, 0.3624

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.1944, 0.3432, 0.4208 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(224, 255, 168)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 168)  
}
```

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(224, 255, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 90.1944, 0.3432, 0.4208 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(224, 255, 168) }
```

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

```
.border{ border-color:rgb(224, 255, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 255, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 168);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.1944, 0.3432, 0.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 168) }
```

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

```
.background{ background-color: rgb(224,  
255, 168) }
```

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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