

# Converting Colors

$Yxy(87.5221, 0.3570, 0.4399)$

Have a look what the booklet for  
Yxy(87.5221, 0.3570, 0.4399)  
contains.

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# Color

**Yxy(87.7037, 0.3568, 0.4404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1FC92
RGB	225, 252, 146
RGB Percent	88%, 99%, 57%
CMY	0.1176, 0.0118, 0.4274
CMYK	0.11, 0.00, 0.42, 0.01
HSL	75°, 95%, 78%
HSV	75°, 42%, 99%
XYZ	71.0551, 87.7037, 40.3867
YIQ	231.8430, 17.9340, -38.6900

# Conversions

## Conversions Part 2

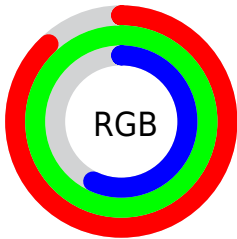
Format	Color
<a href="#">RYB</a>	<a href="#">146, 252, 173</a>
Decimal	<a href="#">14810258</a>
CIELab	<a href="#">95.04, -24.81, 47.74</a>
CIElCh	<a href="#">95, 53.805, 117.462</a>
Yxy	<a href="#">87.7037, 0.3568, 0.4404</a>
Android (android.graphics.Color)	<a href="#">4293000338 (0xFFE1FC92)</a>
YUV	<a href="#">231.8430, -42.3206, -6.0013</a>
Hunter-Lab	<a href="#">93.6503, -28.4549, 39.9863</a>

# Details

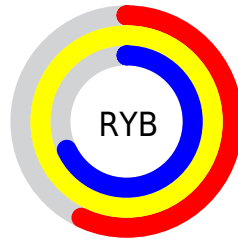
The Yxy color **87.7037, 0.3568, 0.4404** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.4793, 0.2528, 0.2046**, and the grayscale version is **80.8907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9970, 0.3448, 0.3820**, and **48.1454, 0.3638, 0.4654** is the 20% darker color. If you saturate the color by 10%, you get **85.9956, 0.3652, 0.4663**, and if you desaturate by 10%, it is **89.6313, 0.3471, 0.4133**.

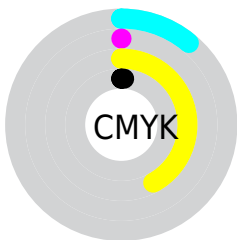
# Distribution



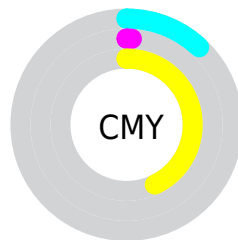
- Red (88%)
- Green (99%)
- Blue (57%)



- Red (57%)
- Yellow (99%)
- Blue (68%)



- Cyan (11%)
- Magenta (0%)
- Yellow (42%)
- Black (1%)




- Cyan (12%)
- Magenta (1%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7037, 0.3568, 0.4404 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 87.7037, 0.3568, 0.4404 by changing the saturation by 10% instead.





 87.7037, 0.3568,  
0.4404

 87.7037, 0.3568,  
0.4404


520.5324, 0.3391,  
0.3892

 66.0777, 0.3601,  
0.4517

 144.1446, 0.3512,  
0.4229

 48.3355, 0.3637,  
0.4655


 179.7282, 0.3489,  
0.4160

 34.0926, 0.3676,  
0.4825


220.7333, 0.3468,  
0.4100

 22.9648, 0.3716,  
0.5038


267.5440, 0.3449,  
0.4048

 14.5675, 0.3749,  
0.5309

320.5449, 0.3433,  
0.4002

 8.5164, 0.3755,  
0.5657

380.1204, 0.3417,

 4.4271, 0.3765,

0.3961

0.6235

446.6547, 0.3403,  
0.3925

■ 1.9152, 0.3393,  
0.6607

■ 0.5575, 0.0000,  
1.0000

■ 87.7037, 0.3568,  
0.4404

■ 87.7037, 0.3568,  
0.4404

■ 85.9956, 0.3652,  
0.4663

■ 89.6313, 0.3471,  
0.4133

■ 84.4832, 0.3717,  
0.4898

■ 91.7774, 0.3366,  
0.3860

■ 83.1573, 0.3758,  
0.5097

■ 94.1560, 0.3257,  
0.3593

■ 82.0025, 0.3774,  
0.5251

■ 96.7764, 0.3149,  
0.3340

■ 81.0005, 0.3764,  
0.5357

■ 98.1014, 0.3128,  
0.3262

■ 80.2916, 0.3741,  
0.5411

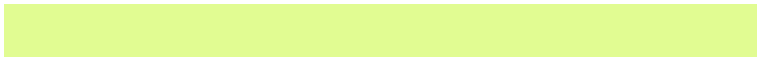
# Harmonies

## Analogous

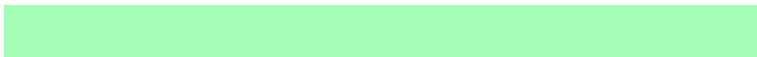
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7037, 0.4071, 0.4220



87.7037, 0.3568, 0.4404



87.7037, 0.2974, 0.4218

# Triad

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



87.7037, 0.3568, 0.4404



87.7037, 0.2048, 0.2598



87.7037, 0.3805, 0.2909

# Complementary

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



87.7037, 0.3568, 0.4404



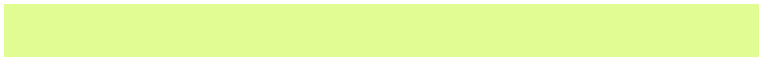
36.4793, 0.2528, 0.2046

# 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.



87.7037, 0.3191, 0.2559



87.7037, 0.3568, 0.4404



87.7037, 0.2217, 0.2367

# Square

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



87.7037, 0.3568, 0.4404



87.7037, 0.2125, 0.3065



87.7037, 0.2615, 0.2364

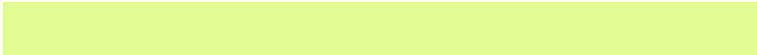


87.7037, 0.4239, 0.3353



# Rectangle

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



87.7037, 0.3568, 0.4404



87.7037, 0.2607, 0.3888



87.7037, 0.2615, 0.2364



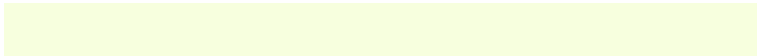
87.7037, 0.3609, 0.2778

# Sweetspot

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



87.7076, 0.3568, 0.4404



96.4799, 0.3268, 0.3618



52.4748, 0.4099, 0.3574



20.5318, 0.3292, 0.3676



0.0000, 0.0000, 0.0000

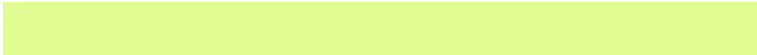


21.4041, 0.3127, 0.3290



# Same Dimension

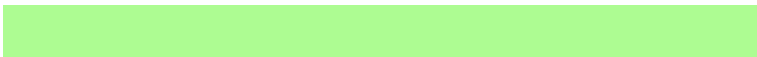
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7076, 0.3568, 0.4404



88.6795, 0.3636, 0.4612



80.5270, 0.3220, 0.4539



19.9553, 0.3229, 0.3527



41.8984, 0.3749, 0.5405



3.9309, 0.3804, 0.5362



# Inverse Universe

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



36.4793, 0.2528, 0.2046



29.9983, 0.2386, 0.1781



43.6831, 0.2951, 0.2182



16.8565, 0.3019, 0.3048



4.2907, 0.1649, 0.0682

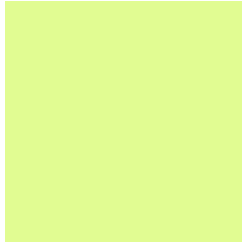


0.4456, 0.1765, 0.0746



# Previews

## White Background



This preview shows how the Yxy color 87.7037, 0.3568, 0.4404 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 87.7037, 0.3568, 0.4404 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 87.7037, 0.3568, 0.4404**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.7037, 0.3568, 0.4404.

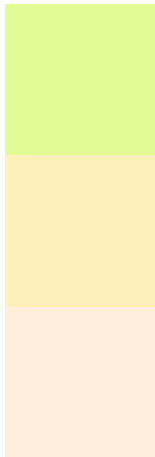


This preview shows how white text looks on a background with the Yxy color 87.7037, 0.3568, 0.4404.

# 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

87.7037, 0.3568, 0.4404

### Protanopia

87.1253, 0.3574, 0.3832

### Deuteranopia

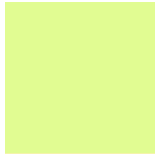
86.9957, 0.3358, 0.3459



## Tritanopia

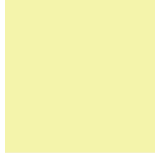
87.3037, 0.3031, 0.3131

# Trichromacy



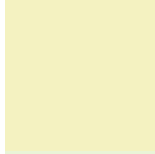
## Original Color

87.7037, 0.3568, 0.4404



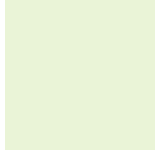
## Protanomaly

86.8747, 0.3580, 0.4038



## Deuteranomaly

86.5876, 0.3447, 0.3793



## Tritanomaly

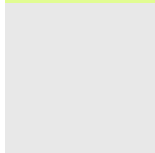
87.1001, 0.3238, 0.3590

# Monochromacy



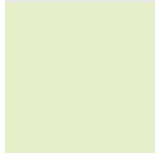
## Original Color

87.7037, 0.3568, 0.4404



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.6081, 0.3296, 0.3694

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  87.7037, 0.3568, 0.4404 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, 252, 146)` looks like.

```
.text, #text, p{  
    color:rgb(225, 252, 146)  
}
```

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, 252, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 252, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 87.7037, 0.3568, 0.4404 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, 252, 146) }
```

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

```
.border{ border-color:rgb(225, 252, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 252, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 252, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 252, 146);  
box-shadow:4px 4px 4px 4px rgb(225, 252,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.7037, 0.3568, 0.4404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 252, 146) }
```

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

```
.background{ background-color: rgb(225,  
252, 146) }
```

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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