

# Converting Colors

Yxy(87.2114, 0.3404, 0.4211)

Have a look what the booklet for  
Yxy(87.2114, 0.3404, 0.4211)  
contains.

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# Color

**Yxy(87.2794, 0.3410, 0.4215)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DAFCA6
RGB	218, 252, 166
RGB Percent	85%, 99%, 65%
CMY	0.1450, 0.0118, 0.3492
CMYK	0.13, 0.00, 0.34, 0.01
HSL	84°, 93%, 82%
HSV	84°, 34%, 99%
XYZ	70.6104, 87.2794, 49.1788
YIQ	232.0300, 7.3420, -33.9540

# Conversions

## Conversions Part 2

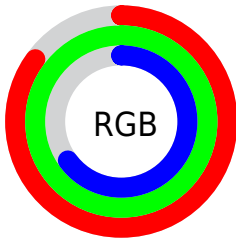
Format	Color
<a href="#">RYB</a>	<a href="#">166, 252, 200</a>
Decimal	<a href="#">14351526</a>
CIELab	<a href="#">94.86, -24.99, 37.68</a>
CIELCh	<a href="#">95, 45.214, 123.550</a>
Yxy	<a href="#">87.2794, 0.3410, 0.4215</a>
Android (android.graphics.Color)	<a href="#">4292541606</a> ( <a href="#">0xFFDAFCA6</a> )
YUV	<a href="#">232.0300, -32.5528, -12.3043</a>
Hunter-Lab	<a href="#">93.4234, -28.5789, 34.1857</a>

# Details

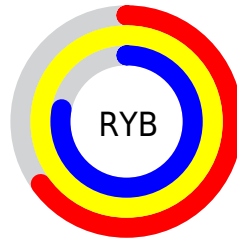
The Yxy color **87.2794, 0.3410, 0.4215** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.5535, 0.2754, 0.2331**, and the grayscale version is **80.9673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **47.9039, 0.3456, 0.4427** is the 20% darker color. If you saturate the color by 10%, you get **84.9592, 0.3479, 0.4504**, and if you desaturate by 10%, it is **89.8806, 0.3331, 0.3928**.

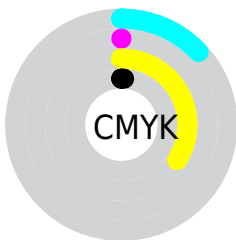
# Distribution



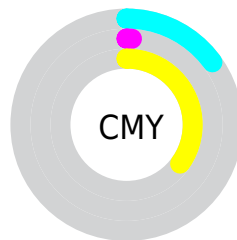
- Red (85%)
- Green (99%)
- Blue (65%)



- Red (65%)
- Yellow (99%)
- Blue (78%)



- Cyan (13%)
- Magenta (0%)
- Yellow (34%)
- Black (1%)



- Cyan (15%)
- Magenta (1%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2794, 0.3410, 0.4215 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 87.2794, 0.3410, 0.4215 by changing the saturation by 10% instead.





 87.2794, 0.3410,  
0.4215

 87.2794, 0.3410,  
0.4215


519.1405, 0.3296,  
0.3786

 65.7264, 0.3432,  
0.4312


 143.5535, 0.3374,  
0.4067

 48.0504, 0.3456,  
0.4431

 179.0435, 0.3359,  
0.4009

 33.8668, 0.3482,  
0.4580


219.9479, 0.3346,  
0.3959

 22.7913, 0.3510,  
0.4771

266.6511, 0.3334,  
0.3916

 14.4395, 0.3536,  
0.5024

319.5376, 0.3323,  
0.3877

 8.4269, 0.3548,  
0.5368


378.9918, 0.3313,

 4.3693, 0.3568,


0.3843


0.5940


445.3979, 0.3304,  
0.3813

 1.8822, 0.3374,  
0.6626


 0.5377, 0.0000,  
1.0000

 87.2794, 0.3410,  
0.4215

 87.2794, 0.3410,  
0.4215


 84.9592, 0.3479,  
0.4504


 89.8806, 0.3331,  
0.3928


 82.8961, 0.3535,  
0.4783

 92.7624, 0.3247,  
0.3652

 81.0807, 0.3571,  
0.5039

 95.9395, 0.3162,  
0.3392

 79.4980, 0.3584,  
0.5258

 98.1013, 0.3128,  
0.3262

■ 78.1309, 0.3572,  
0.5429

■ 76.9589, 0.3536,  
0.5547

■ 76.3467, 0.3508,  
0.5597

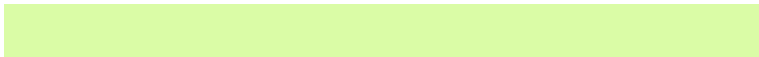
# Harmonies

## Analogous

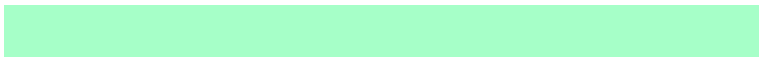
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2794, 0.3860, 0.4134



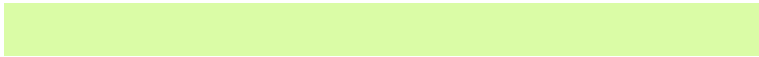
87.2794, 0.3410, 0.4215



87.2794, 0.2905, 0.3987

# Triad

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



87.2794, 0.3410, 0.4215



87.2794, 0.2214, 0.2651



87.2794, 0.3790, 0.3042

# Complementary

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



87.2794, 0.3410, 0.4215



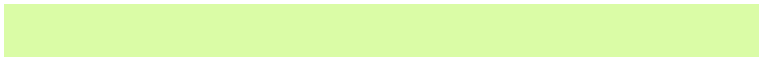
46.5535, 0.2754, 0.2331

# Split Complementary

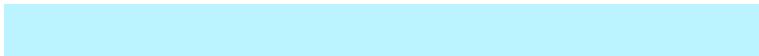
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.2794, 0.3293, 0.2715



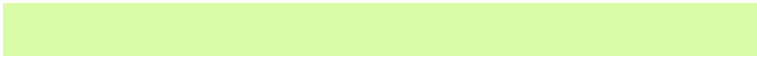
87.2794, 0.3410, 0.4215



87.2794, 0.2404, 0.2485

# Square

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



87.2794, 0.3410, 0.4215



87.2794, 0.2240, 0.3015



87.2794, 0.2786, 0.2515

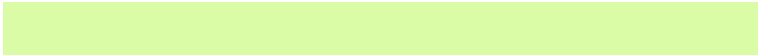


87.2794, 0.4103, 0.3438

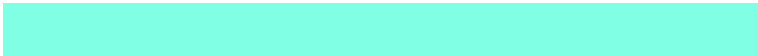


# Rectangle

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



87.2794, 0.3410, 0.4215



87.2794, 0.2607, 0.3689



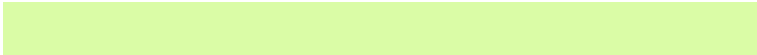
87.2794, 0.2786, 0.2515



87.2794, 0.3636, 0.2922

# Sweetspot

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



87.2832, 0.3410, 0.4215



96.6056, 0.3212, 0.3542



64.2662, 0.3818, 0.3639



20.5808, 0.3224, 0.3579



0.0000, 0.0000, 0.0000

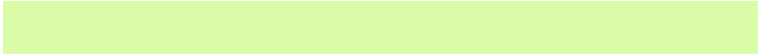


21.4041, 0.3127, 0.3290

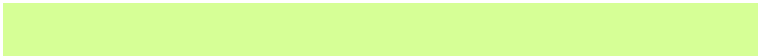


# Same Dimension

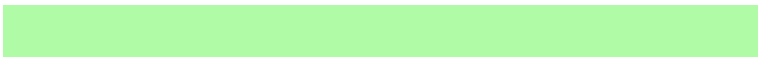
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2832, 0.3410, 0.4215



87.9915, 0.3459, 0.4414



81.6023, 0.3139, 0.4298



19.8289, 0.3208, 0.3529



39.8575, 0.3519, 0.5588



3.7529, 0.3598, 0.5525



# Inverse Universe

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



46.5535, 0.2754, 0.2331



40.3470, 0.2658, 0.2115



53.1551, 0.3086, 0.2419



16.9772, 0.3041, 0.3049



5.1366, 0.1835, 0.0784

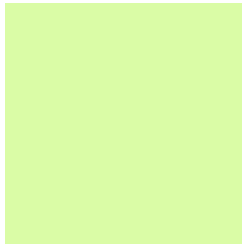


0.5352, 0.1967, 0.0857



# Previews

## White Background



This preview shows how the Yxy color 87.2794, 0.3410, 0.4215 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 87.2794, 0.3410, 0.4215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

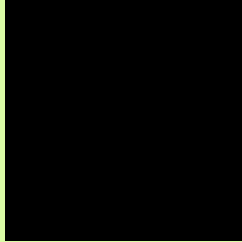
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.2794, 0.3410, 0.4215**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.2794, 0.3410, 0.4215.

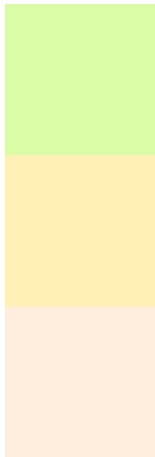


This preview shows how white text looks on a background with the Yxy color 87.2794, 0.3410, 0.4215.

# 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

87.2794, 0.3410, 0.4215

### Protanopia

87.0409, 0.3587, 0.3852

### Deuteranopia

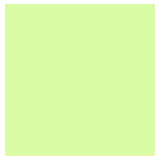
87.0488, 0.3351, 0.3449



## Tritanopia

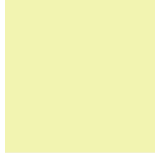
86.8638, 0.2993, 0.3139

# Trichromacy



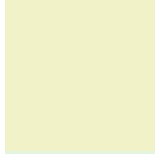
## Original Color

87.2794, 0.3410, 0.4215



## Protanomaly

86.7529, 0.3529, 0.3981



## Deuteranomaly

86.5986, 0.3382, 0.3711



## Tritanomaly

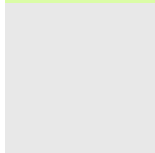
86.5231, 0.3149, 0.3509

# Monochromacy



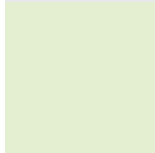
## Original Color

87.2794, 0.3410, 0.4215



## Achromatopsia

80.6952, 0.3127, 0.3290



## Achromatomaly

82.6180, 0.3239, 0.3619

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  87.2794, 0.3410, 0.4215 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(218, 252, 166)` looks like.

```
.text, #text, p{  
    color:rgb(218, 252, 166)  
}
```

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(218, 252, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 252, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 87.2794, 0.3410, 0.4215 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(218, 252, 166) }
```

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

```
.border{ border-color:rgb(218, 252, 166) }
```

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

Here you see how a box with a 4 pixel rgb(218, 252, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 252, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 252, 166);  
box-shadow:4px 4px 4px 4px rgb(218, 252,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.2794, 0.3410, 0.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 252, 166) }
```

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

```
.background{ background-color: rgb(218,  
252, 166) }
```

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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