

# Converting Colors

$Yxy(88.0447, 0.3272, 0.3863)$

Have a look what the booklet for  
Yxy(88.0447, 0.3272, 0.3863)  
contains.

<b>Yxy(88.0447, 0.3272, 0.3863)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(88.0447, 0.3272, 0.3863)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFFAC4
RGB	223, 250, 196
RGB Percent	87%, 98%, 77%
CMY	0.1256, 0.0196, 0.2313
CMYK	0.11, 0.00, 0.22, 0.02
HSL	90°, 84%, 87%
HSV	90°, 22%, 98%
XYZ	74.5747, 88.0447, 65.2985
YIQ	235.7710, 1.2420, -22.5180

# Conversions

## Conversions Part 2

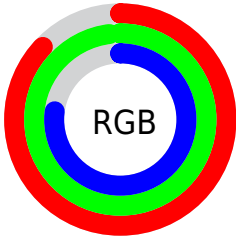
<b>Format</b>	<b>Color</b>
<b>RYB</b>	196, 250, 223
Decimal	14678724
CIELab	95.18, -18.06, 23.03
CIELCh	95, 29.267, 128.104
Yxy	88.0447, 0.3272, 0.3863
Android (android.graphics.Color)	4292868804 (0xFFDFFAC4)
YUV	235.7710, -19.6071, -11.2002
Hunter-Lab	93.8321, -22.3402, 24.4221

# Details

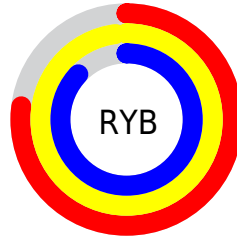
The Yxy color **88.0447, 0.3272, 0.3863** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.0897, 0.2953, 0.2718**, and the grayscale version is **83.8477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **48.3084, 0.3296, 0.3992** is the 20% darker color. If you saturate the color by 10%, you get **85.0872, 0.3334, 0.4157**, and if you desaturate by 10%, it is **91.3467, 0.3206, 0.3586**.

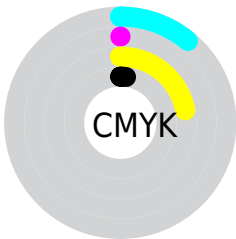
# Distribution



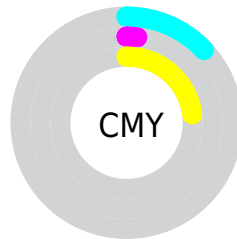
- Red (87%)
- Green (98%)
- Blue (77%)



- Red (77%)
- Yellow (98%)
- Blue (87%)



- Cyan (11%)
- Magenta (0%)
- Yellow (22%)
- Black (2%)




- Cyan (13%)
- Magenta (2%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.0447, 0.3272, 0.3863 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 88.0447, 0.3272, 0.3863 by changing the saturation by 10% instead.



 88.0447, 0.3272,  
0.3863

 88.0447, 0.3272,  
0.3863

521.6496, 0.3212,  
0.3599

 66.3601, 0.3284,  
0.3923


144.6194, 0.3252,  
0.3772

 48.5648, 0.3298,  
0.3996


180.2783, 0.3244,  
0.3736

 34.2744, 0.3315,  
0.4089

221.3640, 0.3237,  
0.3706

 23.1044, 0.3335,  
0.4209

268.2610, 0.3231,  
0.3679

 14.6706, 0.3357,  
0.4370

321.3537, 0.3225,  
0.3655

 8.5886, 0.3382,  
0.4598

381.0264, 0.3220,

 4.4738, 0.3402,

0.3635

0.4939

447.6636, 0.3216,  
0.3616

1.9420, 0.3564,  
0.5782

0.5734, 0.1537,  
0.8463

88.0447, 0.3272,  
0.3863

88.0447, 0.3272,  
0.3863

85.0872, 0.3334,  
0.4157

91.3467, 0.3206,  
0.3586

82.4502, 0.3388,  
0.4459

94.9934, 0.3138,  
0.3329

80.1240, 0.3429,  
0.4758

96.8593, 0.3129,  
0.3243

78.0941, 0.3454,  
0.5041

■ 76.3443, 0.3458,  
0.5290

■ 74.8566, 0.3439,  
0.5493

■ 73.6098, 0.3398,  
0.5638

■ 72.7229, 0.3352,  
0.5720

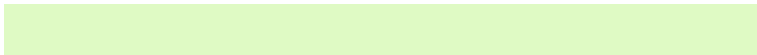
# Harmonies

## Analogous

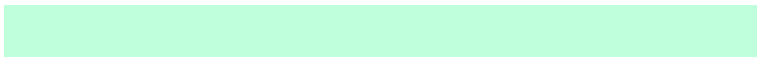
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0447, 0.3573, 0.3858



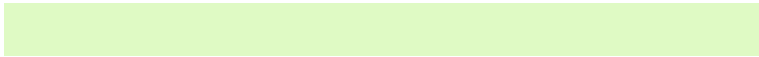
88.0447, 0.3272, 0.3863



88.0447, 0.2943, 0.3689

# Triad

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



88.0447, 0.3272, 0.3863



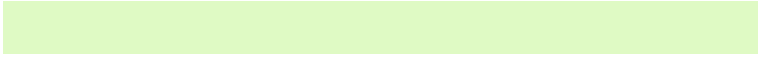
88.0447, 0.2529, 0.2851



88.0447, 0.3594, 0.3171

# Complementary

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



88.0447, 0.3272, 0.3863



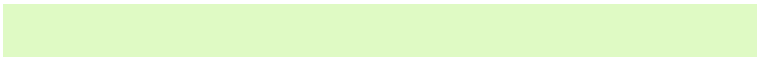
62.0897, 0.2953, 0.2718

# Split Complementary

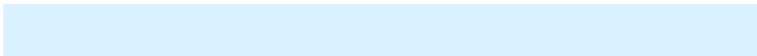
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0447, 0.3291, 0.2935



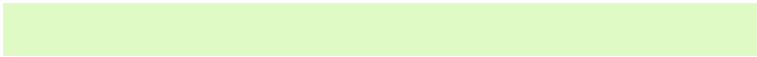
88.0447, 0.3272, 0.3863



88.0447, 0.2682, 0.2750

# Square

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



88.0447, 0.3272, 0.3863



88.0447, 0.2526, 0.3080



88.0447, 0.2956, 0.2784

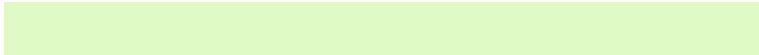


88.0447, 0.3769, 0.3444

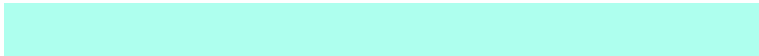


# Rectangle

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



88.0447, 0.3272, 0.3863



88.0447, 0.2752, 0.3497



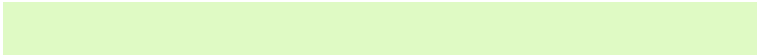
88.0447, 0.2956, 0.2784



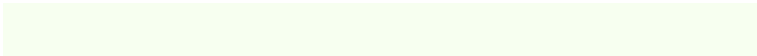
88.0447, 0.3503, 0.3086

# Sweetspot

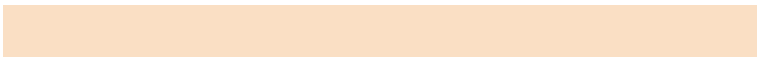
The Sweet Spot groups the original color and five complimentary colors.



88.0485, 0.3272, 0.3863



97.6288, 0.3168, 0.3439



77.0967, 0.3509, 0.3569



20.8431, 0.3172, 0.3456



0.0000, 0.0000, 0.0000

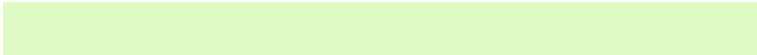


21.4041, 0.3127, 0.3290

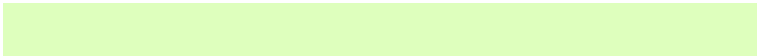


# Same Dimension

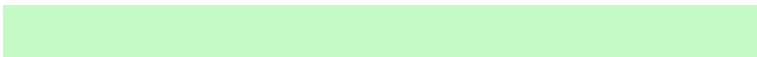
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.0485, 0.3272, 0.3863



90.6776, 0.3300, 0.3992



84.1040, 0.3099, 0.3894



19.7347, 0.3191, 0.3530



38.6555, 0.3364, 0.5711



3.6432, 0.3454, 0.5640



# Inverse Universe

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



62.0897, 0.2953, 0.2718



59.0016, 0.2910, 0.2590



66.7178, 0.3152, 0.2752



17.0701, 0.3058, 0.3050



6.0684, 0.2024, 0.0888

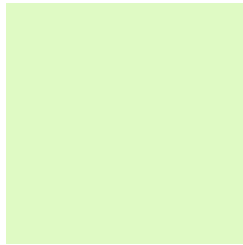


0.6251, 0.2152, 0.0959



# Previews

## White Background



This preview shows how the Yxy color 88.0447, 0.3272, 0.3863 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

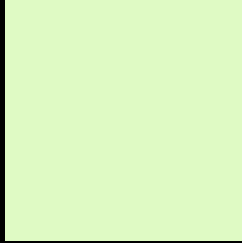
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.0447, 0.3272, 0.3863 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

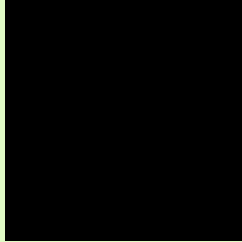
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

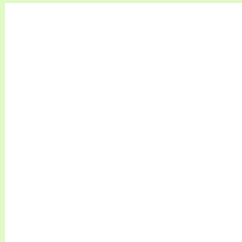
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.0447, 0.3272, 0.3863**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.0447, 0.3272, 0.3863.

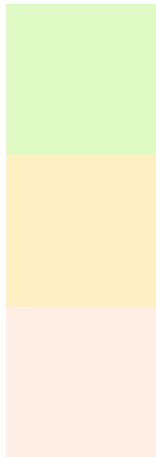


This preview shows how white text looks on a background with the Yxy color 88.0447, 0.3272, 0.3863.

# 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

88.0447, 0.3272, 0.3863

### Protanopia

87.5203, 0.3516, 0.3741

### Deuteranopia

87.9551, 0.3311, 0.3399



## Tritanopia

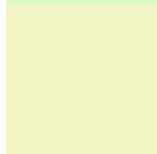
87.7928, 0.3006, 0.3150

# Trichromacy



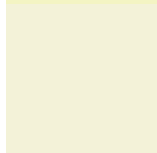
## Original Color

88.0447, 0.3272, 0.3863



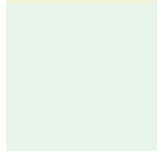
## Protanomaly

87.6962, 0.3423, 0.3792



## Deuteranomaly

87.5168, 0.3294, 0.3555



## Tritanomaly

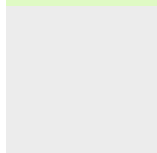
87.6308, 0.3103, 0.3392

# Monochromacy



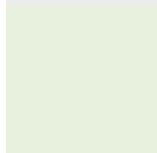
## Original Color

88.0447, 0.3272, 0.3863



## Achromatopsia

83.8799, 0.3127, 0.3290



## Achromatomaly

85.1200, 0.3183, 0.3498

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.0447, 0.3272, 0.3863 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(223, 250, 196)` looks like.

```
.text, #text, p{  
    color:rgb(223, 250, 196)  
}
```

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(223, 250, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 250, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 88.0447, 0.3272, 0.3863 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(223, 250, 196) }
```

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

```
.border{ border-color:rgb(223, 250, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 250, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 250, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 250, 196);  
box-shadow:4px 4px 4px 4px rgb(223, 250,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.0447, 0.3272, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 250, 196) }
```

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

```
.background{ background-color: rgb(223,  
250, 196) }
```

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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