

# Converting Colors

$Yxy(85.2586, 0.3847, 0.4047)$

Have a look what the booklet for  
Yxy(85.2586, 0.3847, 0.4047)  
contains.

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# Color

**Yxy(83.1453, 0.3769, 0.4064)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEB9E
RGB	255, 235, 158
RGB Percent	100%, 92%, 62%
CMY	0.0001, 0.0784, 0.3804
CMYK	0.00, 0.08, 0.38, 0.00
HSL	48°, 100%, 81%
HSV	48°, 38%, 100%
XYZ	77.1099, 83.1453, 44.3346
YIQ	232.2020, 36.6370, -19.7070

# Conversions

## Conversions Part 2

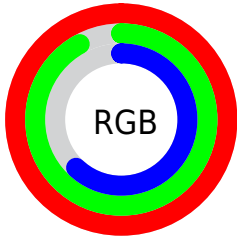
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 255, 158
Decimal	16771998
CIE Lab	93.08, -3.83, 39.83
CIE LCh	93, 40.012, 95.497
Yxy	83.1453, 0.3769, 0.4064
Android (android.graphics.Color)	4294962078 (0xFFFFE9E)
YUV	232.2020, -36.5816, 19.9938
Hunter-Lab	91.1840, -8.6233, 35.0014

# Details

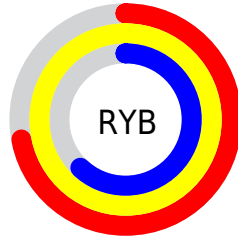
The Yxy color  $83.1453, 0.3769, 0.4064$  is a light color, and the websafe version is hex  $FFFF99$ . A complement of this color would be  $46.3087, 0.2460, 0.2371$ , and the grayscale version is  $81.1135, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.5841, 0.3376, 0.3701$ , and  $45.1304, 0.3908, 0.4229$  is the 20% darker color. If you saturate the color by 10%, you get  $79.4009, 0.3949, 0.4257$ , and if you desaturate by 10%, it is  $87.1680, 0.3589, 0.3859$ .

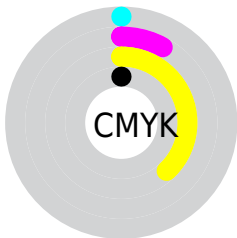
# Distribution



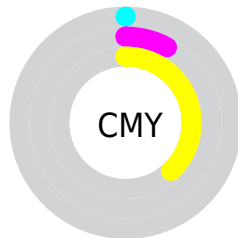
- Red (100%)
- Green (92%)
- Blue (62%)



- Red (72%)
- Yellow (100%)
- Blue (62%)



- Cyan (0%)
- Magenta (8%)
- Yellow (38%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1453, 0.3769, 0.4064 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 83.1453, 0.3769, 0.4064 by changing the saturation by 10% instead.





 83.1453, 0.3769,  
0.4064

 83.1453, 0.3769,  
0.4064


505.4706, 0.3486,  
0.3718

 62.3100, 0.3829,  
0.4139


 137.7789, 0.3674,  
0.3947

 45.2833, 0.3900,  
0.4229


 172.3461, 0.3637,  
0.3901

 31.6806, 0.3986,  
0.4338


212.2594, 0.3604,  
0.3860

 21.1176, 0.4090,  
0.4474

257.9031, 0.3575,  
0.3825

 13.2100, 0.4216,  
0.4642

309.6617, 0.3549,  
0.3793

 7.5733, 0.4365,  
0.4852

367.9195, 0.3526,

 3.8232, 0.4701,

0.3765

0.5299

433.0611, 0.3505,  
0.3740

■ 1.5751, 0.4641,  
0.5359

■ 0.3408, 0.4033,  
0.5967

■ 83.1453, 0.3769,  
0.4064

■ 83.1453, 0.3769,  
0.4064

■ 79.4009, 0.3949,  
0.4257

■ 87.1680, 0.3589,  
0.3859

■ 75.9112, 0.4123,  
0.4428

■ 91.4688, 0.3415,  
0.3652

■ 72.6668, 0.4282,  
0.4567

■ 96.0616, 0.3251,  
0.3448

■ 69.6524, 0.4419,  
0.4663

99.9928, 0.3127,  
0.3290

■ 66.8503, 0.4527,  
0.4713

■ 64.2368, 0.4606,  
0.4716

■ 63.7370, 0.4620,  
0.4714

# Harmonies

## Analogous

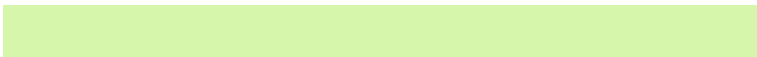
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1453, 0.4017, 0.3809



83.1453, 0.3769, 0.4064



83.1453, 0.3357, 0.4112

# Triad

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



83.1453, 0.3769, 0.4064



83.1453, 0.2315, 0.3021



83.1453, 0.3310, 0.2784

# Complementary

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



83.1453, 0.3769, 0.4064



46.3087, 0.2460, 0.2371

# 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.



83.1453, 0.2848, 0.2593



83.1453, 0.3769, 0.4064



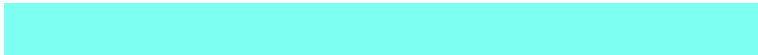
83.1453, 0.2303, 0.2699

# Square

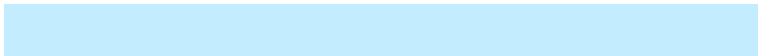
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1453, 0.3769, 0.4064



83.1453, 0.2526, 0.3466



83.1453, 0.2490, 0.2557



83.1453, 0.3748, 0.3090

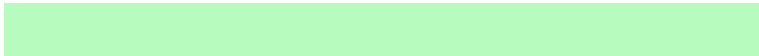


# Rectangle

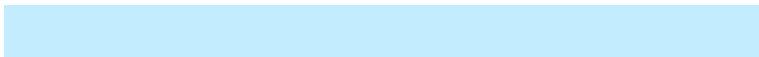
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1453, 0.3769, 0.4064



83.1453, 0.3051, 0.3992



83.1453, 0.2490, 0.2557



83.1453, 0.3151, 0.2705

# Sweetspot

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



83.1491, 0.3769, 0.4064



94.6971, 0.3298, 0.3508



48.9644, 0.3864, 0.3071



20.1346, 0.3321, 0.3535



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

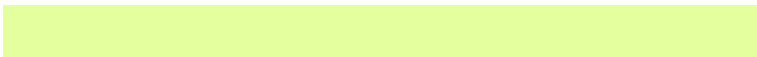
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1491, 0.3769, 0.4064



80.1664, 0.3913, 0.4219



90.3756, 0.3511, 0.4303



20.4188, 0.3274, 0.3478



33.5362, 0.4612, 0.4720



3.4177, 0.4554, 0.4766



# Inverse Universe

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



46.3087, 0.2460, 0.2371



38.3779, 0.2304, 0.2137



42.0477, 0.2618, 0.2185



17.9829, 0.2979, 0.3095



5.2460, 0.1557, 0.0803



0.6581, 0.1610, 0.0996



# Previews

## White Background



This preview shows how the Yxy color 83.1453, 0.3769, 0.4064 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 83.1453, 0.3769, 0.4064 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

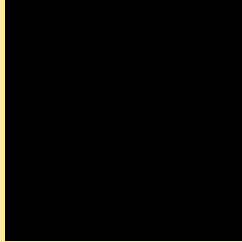
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 83.1453, 0.3769, 0.4064**

## **Background**



This preview shows how black text looks on a background with the Yxy color 83.1453, 0.3769, 0.4064.



This preview shows how white text looks on a background with the Yxy color 83.1453, 0.3769, 0.4064.

# 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

83.1453, 0.3769, 0.4064

### Protanopia

83.1453, 0.3769, 0.4064

### Deuteranopia

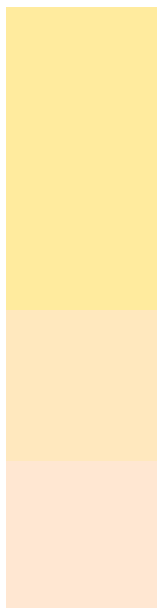
83.0153, 0.3440, 0.3512



## Tritanopia

83.0381, 0.3236, 0.3172

# Trichromacy



## Original Color

83.1453, 0.3769, 0.4064

## Protanomaly

83.1453, 0.3769, 0.4064

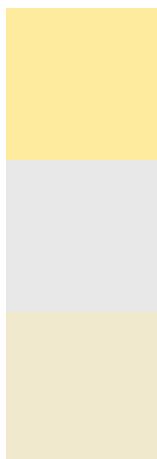
## Deuteranomaly

82.6909, 0.3567, 0.3715

## Tritanomaly

83.0650, 0.3433, 0.3501

# Monochromacy



## Original Color

83.1453, 0.3769, 0.4064

## Achromatopsia

80.6952, 0.3127, 0.3290

## Achromatomaly

81.2109, 0.3356, 0.3582

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 83.1453, 0.3769, 0.4064 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(255, 235, 158)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 158)  
}
```

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(255, 235, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 83.1453, 0.3769, 0.4064 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(255, 235, 158) }
```

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

```
.border{ border-color:rgb(255, 235, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 158);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 83.1453, 0.3769, 0.4064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 158) }
```

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

```
.background{ background-color: rgb(255,  
235, 158) }
```

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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