

# Converting Colors

$Y_{xy}(148.5392, 0.4869, 0.3584)$

Have a look what the booklet for  
Yxy(148.5392, 0.4869, 0.3584)  
contains.

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# Color

**Yxy(85.9119, 0.3585, 0.3823)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEB9
RGB	255, 238, 185
RGB Percent	100%, 93%, 73%
CMY	0.0001, 0.0666, 0.2744
CMYK	0.00, 0.07, 0.27, 0.00
HSL	45°, 100%, 86%
HSV	45°, 27%, 100%
XYZ	80.5635, 85.9119, 58.2484
YIQ	237.0410, 27.1450, -12.8790

# Conversions

## Conversions Part 2

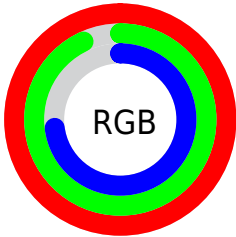
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 255, 185
Decimal	16772793
CIE <sub>Lab</sub>	94.27, -2.13, 27.77
CIE <sub>LCh</sub>	94, 27.853, 94.387
Yxy	85.9119, 0.3585, 0.3823
Android (android.graphics.Color)	4294962873 (0xFFFFEEB9)
YUV	237.0410, -25.6562, 15.7500
Hunter-Lab	92.6887, -7.0559, 27.6224

# Details

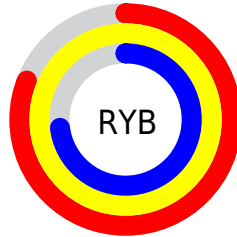
The Yxy color **85.9119, 0.3585, 0.3823** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.7632, 0.2666, 0.2693**, and the grayscale version is **84.9075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **47.1276, 0.3685, 0.3930** is the 20% darker color. If you saturate the color by 10%, you get **81.3972, 0.3771, 0.4020**, and if you desaturate by 10%, it is **90.7510, 0.3408, 0.3624**.

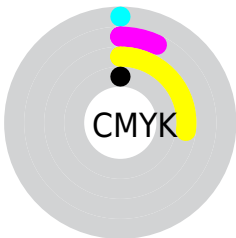
# Distribution



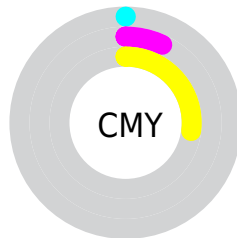
- Red (100%)
- Green (93%)
- Blue (73%)



- Red (81%)
- Yellow (100%)
- Blue (73%)



- Cyan (0%)
- Magenta (7%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9119, 0.3585, 0.3823 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 85.9119, 0.3585, 0.3823 by changing the saturation by 10% instead.





 85.9119, 0.3585,  
0.3823

 85.9119, 0.3585,  
0.3823

514.6407, 0.3381,  
0.3584

 64.5951, 0.3629,  
0.3875

 141.6465, 0.3516,  
0.3742

 47.1329, 0.3683,  
0.3939


176.8332, 0.3489,  
0.3710

 33.1407, 0.3748,  
0.4017


217.4119, 0.3465,  
0.3682

 22.2342, 0.3831,  
0.4117

263.7671, 0.3444,  
0.3657

 14.0291, 0.3936,  
0.4245

316.2832, 0.3426,  
0.3636

 8.1409, 0.4075,  
0.4416

375.3446, 0.3409,

 4.1853, 0.4258,

0.3617

0.4649

441.3356, 0.3395,  
0.3600

■ 1.7777, 0.4750,  
0.5250

■ 0.4732, 0.4567,  
0.5433

■ 85.9119, 0.3585,  
0.3823

■ 85.9119, 0.3585,  
0.3823

■ 81.3972, 0.3771,  
0.4020

■ 90.7510, 0.3408,  
0.3624

■ 77.1835, 0.3959,  
0.4207

■ 95.9135, 0.3242,  
0.3429

■ 73.2624, 0.4144,  
0.4374

99.9931, 0.3127,  
0.3290

■ 69.6200, 0.4317,  
0.4509

■ 66.2408, 0.4470,  
0.4603

■ 63.1068, 0.4594,  
0.4649

■ 60.1947, 0.4688,  
0.4647

■ 59.4739, 0.4710,  
0.4642

# Harmonies

## Analogous

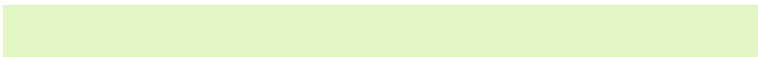
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9119, 0.3744, 0.3654



85.9119, 0.3585, 0.3823



85.9119, 0.3306, 0.3848

# Triad

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



85.9119, 0.3585, 0.3823



85.9119, 0.2559, 0.3124



85.9119, 0.3245, 0.2925

# Complementary

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



85.9119, 0.3585, 0.3823



59.7632, 0.2666, 0.2693

# 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.



85.9119, 0.2926, 0.2792



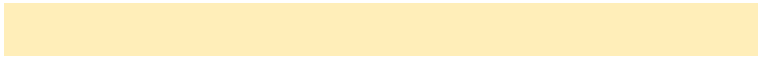
85.9119, 0.3585, 0.3823



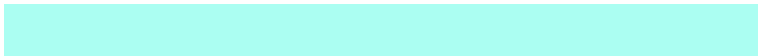
85.9119, 0.2544, 0.2890

# Square

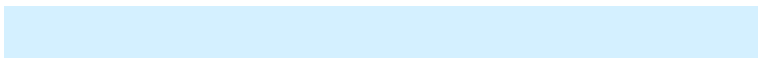
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9119, 0.3585, 0.3823



85.9119, 0.2718, 0.3426



85.9119, 0.2674, 0.2776



85.9119, 0.3544, 0.3145

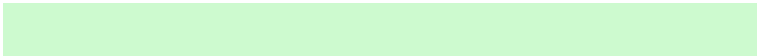


# Rectangle

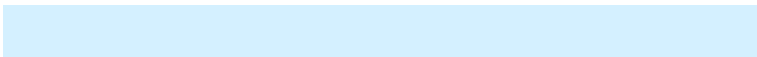
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9119, 0.3585, 0.3823



85.9119, 0.3093, 0.3768



85.9119, 0.2674, 0.2776



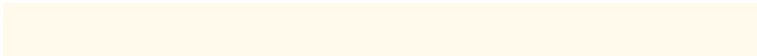
85.9119, 0.3136, 0.2870

# Sweetspot

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



85.9158, 0.3585, 0.3823



95.6416, 0.3251, 0.3440



60.2502, 0.3577, 0.3110



20.3010, 0.3275, 0.3469



0.0000, 0.0000, 0.0000

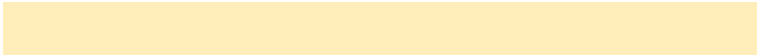


21.4041, 0.3127, 0.3290



# Same Dimension

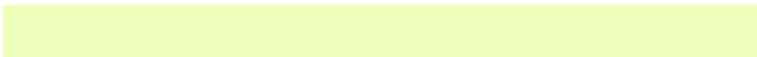
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.9158, 0.3585, 0.3823



83.3878, 0.3688, 0.3934



93.0878, 0.3425, 0.4006



20.3010, 0.3275, 0.3469



31.3314, 0.4699, 0.4651



3.2204, 0.4629, 0.4706



# Inverse Universe

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



59.7632, 0.2666, 0.2693



53.2277, 0.2562, 0.2549



54.5541, 0.2768, 0.2521



18.0924, 0.2979, 0.3104



5.7534, 0.1575, 0.0869



0.7217, 0.1632, 0.1075



# Previews

## White Background



This preview shows how the Yxy color 85.9119, 0.3585, 0.3823 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

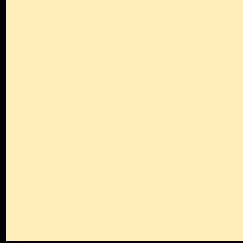
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.9119, 0.3585, 0.3823 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

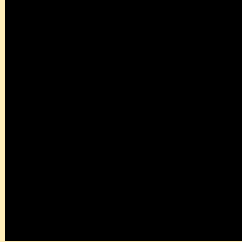
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.9119, 0.3585, 0.3823**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9119, 0.3585, 0.3823.



This preview shows how white text looks on a background with the Yxy color 85.9119, 0.3585, 0.3823.

# 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

85.9119, 0.3585, 0.3823

### Protanopia

85.7227, 0.3578, 0.3824

### Deuteranopia

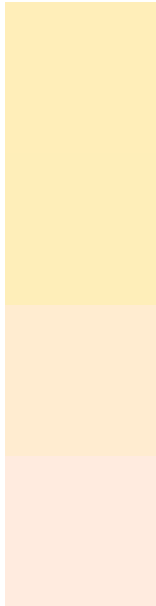
85.8971, 0.3354, 0.3430



## Tritanopia

86.1304, 0.3200, 0.3173

# Trichromacy



**Original Color**

85.9119, 0.3585, 0.3823

**Protanomaly**

85.7227, 0.3578, 0.3824

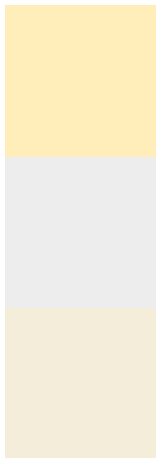
**Deuteranomaly**

85.8050, 0.3438, 0.3571

**Tritanomaly**

86.0044, 0.3341, 0.3410

# Monochromacy



**Original Color**

85.9119, 0.3585, 0.3823

**Achromatopsia**

84.6873, 0.3127, 0.3290

**Achromatomaly**

84.8634, 0.3294, 0.3484

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9119, 0.3585, 0.3823 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, 238, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 185)  
}
```

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, 238, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9119, 0.3585, 0.3823 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, 238, 185) }
```

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

```
.border{ border-color:rgb(255, 238, 185) }
```

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

Here you see how a box with a 4 pixel rgb(255, 238, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9119, 0.3585, 0.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 185) }
```

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

```
.background{ background-color: rgb(255,  
238, 185) }
```

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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