

# Converting Colors

$Y_{xy}(85.1190, 0.3563, 0.3839)$

Have a look what the booklet for  
Yxy(85.1190, 0.3563, 0.3839)  
contains.

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# **Color**

**Yxy(85.1190, 0.3563, 0.3839)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBEEB8
RGB	251, 238, 184
RGB Percent	98%, 93%, 72%
CMY	0.0158, 0.0666, 0.2785
CMYK	0.00, 0.05, 0.27, 0.02
HSL	48°, 89%, 85%
HSV	48°, 27%, 98%
XYZ	78.9995, 85.1190, 57.6033
YIQ	235.7310, 25.0820, -14.0380

# Conversions

## Conversions Part 2

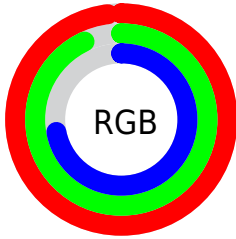
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 251, 184
Decimal	16510648
CIE <sub>Lab</sub>	93.93, -3.75, 27.79
CIE <sub>LCh</sub>	94, 28.038, 97.678
Yxy	85.1190, 0.3563, 0.3839
Android (android.graphics.Color)	4294700728 (0xFFFBEEB8)
YUV	235.7310, -25.5034, 13.3909
Hunter-Lab	92.2600, -8.6106, 27.5637

# Details

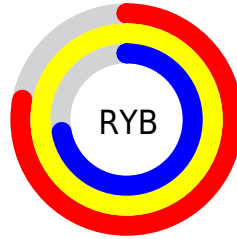
The Yxy color **85.1190, 0.3563, 0.3839** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.0532, 0.2677, 0.2673**, and the grayscale version is **83.8470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **46.5639, 0.3656, 0.3952** is the 20% darker color. If you saturate the color by 10%, you get **81.3747, 0.3740, 0.4047**, and if you desaturate by 10%, it is **89.1338, 0.3391, 0.3629**.

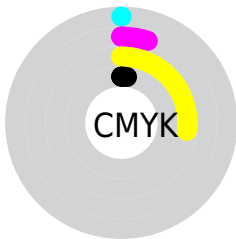
# Distribution



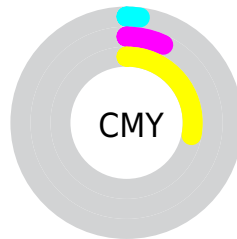
- Red (98%)
- Green (93%)
- Blue (72%)



- Red (78%)
- Yellow (98%)
- Blue (72%)



- Cyan (0%)
- Magenta (5%)
- Yellow (27%)
- Black (2%)




- Cyan (2%)
- Magenta (7%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.1190, 0.3563, 0.3839 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 85.1190, 0.3563, 0.3839 by changing the saturation by 10% instead.




 85.1190, 0.3563,  
0.3839

 85.1190, 0.3563,  
0.3839


512.0218, 0.3369,  
0.3592

 63.9397, 0.3605,  
0.3894


 140.5394, 0.3498,  
0.3755

 46.6018, 0.3656,  
0.3960

175.5494, 0.3472,  
0.3721

 32.7210, 0.3718,  
0.4042


215.9383, 0.3449,  
0.3693

 21.9128, 0.3796,  
0.4146

262.0906, 0.3429,  
0.3667

 13.7928, 0.3896,  
0.4282

314.3907, 0.3412,  
0.3645

 7.9767, 0.4026,  
0.4464

373.2230, 0.3396,

 4.0801, 0.4196,

0.3625

0.4715

438.9719, 0.3382,  
0.3608

■ 1.7184, 0.4653,  
0.5347

■ 0.4356, 0.4255,  
0.5745

■ 85.1190, 0.3563,  
0.3839

■ 85.1190, 0.3563,  
0.3839

■ 81.3747, 0.3740,  
0.4047

■ 89.1338, 0.3391,  
0.3629

■ 77.8789, 0.3918,  
0.4244

■ 93.4174, 0.3229,  
0.3423

■ 74.6242, 0.4089,  
0.4421

■ 97.7042, 0.3103,  
0.3267

■ 71.5978, 0.4247,  
0.4566

■ 99.2431, 0.3102,  
0.3290

■ 68.7858, 0.4382,  
0.4671

■ 66.1716, 0.4490,  
0.4729

■ 63.7345, 0.4568,  
0.4740

■ 62.9565, 0.4590,  
0.4737

# Harmonies

## Analogous

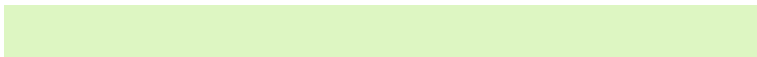
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.1190, 0.3740, 0.3682



85.1190, 0.3563, 0.3839



85.1190, 0.3273, 0.3845

# Triad

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



85.1190, 0.3563, 0.3839



85.1190, 0.2545, 0.3091



85.1190, 0.3282, 0.2943

# Complementary

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



85.1190, 0.3563, 0.3839



57.0532, 0.2677, 0.2673

# 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.



85.1190, 0.2958, 0.2797



85.1190, 0.3563, 0.3839



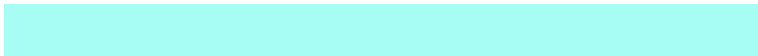
85.1190, 0.2546, 0.2867

# Square

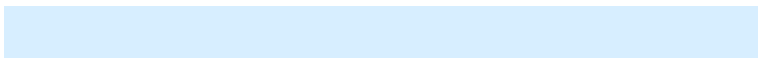
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1190, 0.3563, 0.3839



85.1190, 0.2690, 0.3393



85.1190, 0.2692, 0.2767

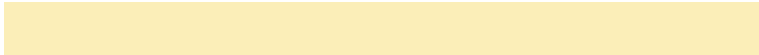


85.1190, 0.3576, 0.3171

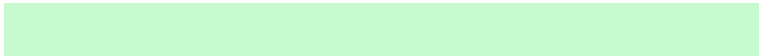


# Rectangle

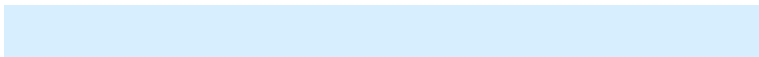
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1190, 0.3563, 0.3839



85.1190, 0.3057, 0.3752



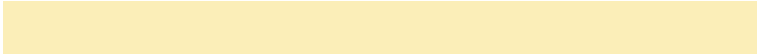
85.1190, 0.2692, 0.2767



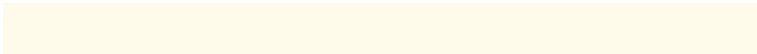
85.1190, 0.3172, 0.2883

# Sweetspot

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



85.1228, 0.3563, 0.3839



96.2647, 0.3250, 0.3450



58.8261, 0.3590, 0.3150



20.4587, 0.3274, 0.3480



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

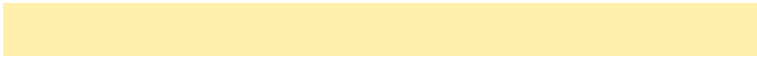


# Same Dimension

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



85.1228, 0.3563, 0.3839



86.1579, 0.3657, 0.3951



89.4014, 0.3395, 0.3990



19.5869, 0.3274, 0.3480



33.3091, 0.4582, 0.4744



3.2261, 0.4527, 0.4787



# Inverse Universe

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



57.0532, 0.2677, 0.2673



52.6201, 0.2575, 0.2528



54.0858, 0.2804, 0.2550



17.1860, 0.2979, 0.3093



4.9520, 0.1551, 0.0784

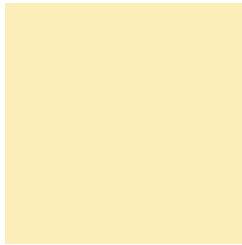


0.5979, 0.1607, 0.0983



# Previews

## White Background



This preview shows how the Yxy color 85.1190, 0.3563, 0.3839 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

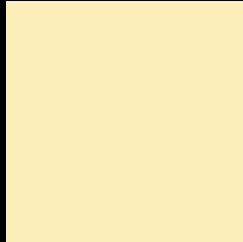
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.1190, 0.3563, 0.3839 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

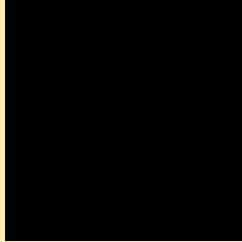
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 85.1190, 0.3563, 0.3839**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.1190, 0.3563, 0.3839.



This preview shows how white text looks on a background with the Yxy color 85.1190, 0.3563, 0.3839.

# 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**

85.1190, 0.3563, 0.3839

**Protanopia**

84.9117, 0.3580, 0.3826

**Deuteranopia**

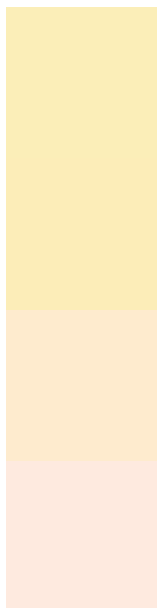
85.1676, 0.3375, 0.3450



## Tritanopia

85.0656, 0.3195, 0.3144

# Trichromacy



## Original Color

85.1190, 0.3563, 0.3839

## Protanomaly

84.7245, 0.3573, 0.3828

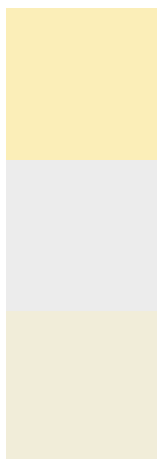
## Deuteranomaly

84.9437, 0.3446, 0.3582

## Tritanomaly

85.2442, 0.3335, 0.3400

# Monochromacy



## Original Color

85.1190, 0.3563, 0.3839

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.2789, 0.3280, 0.3495

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.1190, 0.3563, 0.3839 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(251, 238, 184)` looks like.

```
.text, #text, p{  
    color:rgb(251, 238, 184)  
}
```

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(251, 238, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 238, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 85.1190, 0.3563, 0.3839 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(251, 238, 184) }
```

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

```
.border{ border-color:rgb(251, 238, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 238, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 238, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 238, 184);  
box-shadow:4px 4px 4px 4px rgb(251, 238,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.1190, 0.3563, 0.3839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 238, 184) }
```

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

```
.background{ background-color: rgb(251,  
238, 184) }
```

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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