

# Converting Colors

$Yxy(86.3006, 0.3442, 0.3849)$

Have a look what the booklet for  
Yxy(86.3006, 0.3442, 0.3849)  
contains.

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# **Color**

**Yxy(86.3006, 0.3442, 0.3849)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F3BD
RGB	240, 243, 189
RGB Percent	94%, 95%, 74%
CMY	0.0588, 0.0471, 0.2588
CMYK	0.01, 0.00, 0.22, 0.05
HSL	63°, 69%, 85%
HSV	63°, 22%, 95%
XYZ	77.1750, 86.3006, 60.7400
YIQ	235.9470, 15.5460, -17.4300

# Conversions

## Conversions Part 2

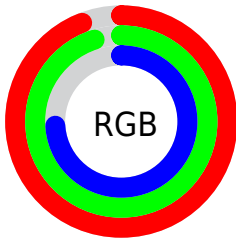
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 243, 192
Decimal	15791037
CIE <sub>Lab</sub>	94.44, -9.58, 25.78
CIE <sub>LCh</sub>	94, 27.496, 110.381
Yxy	86.3006, 0.3442, 0.3849
Android (android.graphics.Color)	4293981117 (0xFFFF0F3BD)
YUV	235.9470, -23.1449, 3.5545
Hunter-Lab	92.8981, -14.2830, 26.2628

# Details

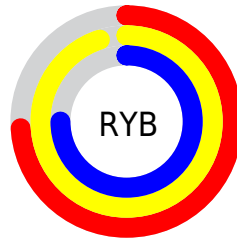
The Yxy color **86.3006, 0.3442, 0.3849** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.0783, 0.2772, 0.2671**, and the grayscale version is **84.0138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3726, 0.3185, 0.3386**, and **47.4803, 0.3514, 0.3981** is the 20% darker color. If you saturate the color by 10%, you get **85.1013, 0.3583, 0.4104**, and if you desaturate by 10%, it is **87.6861, 0.3299, 0.3593**.

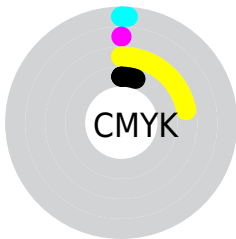
# Distribution



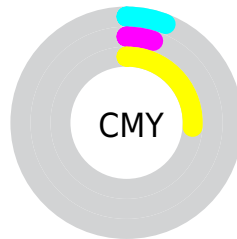
- Red (94%)
- Green (95%)
- Blue (74%)



- Red (74%)
- Yellow (95%)
- Blue (75%)



- Cyan (1%)
- Magenta (0%)
- Yellow (22%)
- Black (5%)




- Cyan (6%)
- Magenta (5%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.3006, 0.3442, 0.3849 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 86.3006, 0.3442, 0.3849 by changing the saturation by 10% instead.




 86.3006, 0.3442,  
0.3849

 86.3006, 0.3442,  
0.3849


515.9219, 0.3304,  
0.3594

 64.9166, 0.3472,  
0.3906


 142.1889, 0.3396,  
0.3762

 47.3934, 0.3507,  
0.3976


177.4619, 0.3377,  
0.3727

 33.3468, 0.3550,  
0.4063


218.1335, 0.3361,  
0.3698

 22.3922, 0.3604,  
0.4174

264.5879, 0.3347,  
0.3672

 14.1454, 0.3671,  
0.4322

317.2095, 0.3334,  
0.3649

 8.2219, 0.3758,  
0.4526

376.3828, 0.3323,

 4.2372, 0.3866,

0.3629

0.4819

442.4921, 0.3313,  
0.3611

■ 1.8071, 0.4309,  
0.5691

■ 0.4916, 0.3220,  
0.6780

■ 86.3006, 0.3442,  
0.3849

■ 86.3006, 0.3442,  
0.3849

■ 85.1013, 0.3583,  
0.4104

■ 87.6861, 0.3299,  
0.3593

■ 84.0679, 0.3716,  
0.4349


■ 89.2546, 0.3158,  
0.3344


■ 83.1947, 0.3836,  
0.4573

■ 90.5641, 0.3063,  
0.3172

■ 82.4711, 0.3937,  
0.4767

■ 90.8058, 0.3071,  
0.3173


 81.8855, 0.4015,  
0.4923

 91.0492, 0.3080,  
0.3173


 81.4241, 0.4065,  
0.5035

 91.2943, 0.3088,  
0.3173

 81.0706, 0.4090,  
0.5102

 91.5413, 0.3097,  
0.3174

 80.8506, 0.4095,  
0.5130

 91.7899, 0.3105,  
0.3174

 92.0404, 0.3114,  
0.3174

# Harmonies

## Analogous

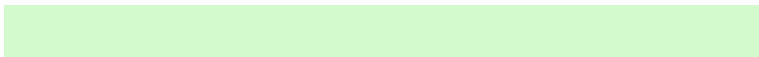
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.3006, 0.3671, 0.3752



86.3006, 0.3442, 0.3849



86.3006, 0.3136, 0.3782

# Triad

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



86.3006, 0.3442, 0.3849



86.3006, 0.2540, 0.2991



86.3006, 0.3409, 0.3038

# Complementary

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



86.3006, 0.3442, 0.3849



54.0783, 0.2772, 0.2671

# Split Complementary

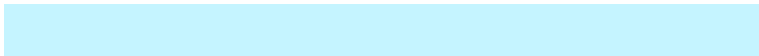
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.3006, 0.3093, 0.2856



86.3006, 0.3442, 0.3849



86.3006, 0.2603, 0.2820

# Square

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



86.3006, 0.3442, 0.3849



86.3006, 0.2623, 0.3262



86.3006, 0.2801, 0.2776



86.3006, 0.3655, 0.3283

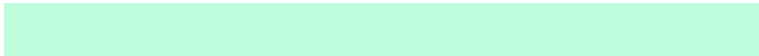


# Rectangle

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



86.3006, 0.3442, 0.3849



86.3006, 0.2931, 0.3647



86.3006, 0.2801, 0.2776



86.3006, 0.3307, 0.2968

# Sweetspot

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



86.3044, 0.3442, 0.3849



98.7162, 0.3225, 0.3462



60.3025, 0.3576, 0.3321



21.1067, 0.3234, 0.3478



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

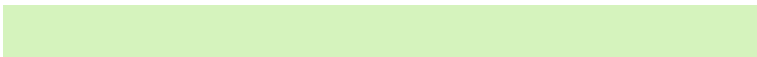
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3044, 0.3442, 0.3849



95.6157, 0.3511, 0.3973



81.9691, 0.3258, 0.3883



19.2641, 0.3260, 0.3524



44.3929, 0.4097, 0.5129



3.9157, 0.4110, 0.5119



# Inverse Universe

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



54.0783, 0.2772, 0.2671



53.3433, 0.2681, 0.2515



57.8862, 0.2967, 0.2705



15.9705, 0.2988, 0.3046



3.6181, 0.1517, 0.0609

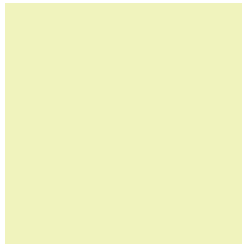


0.3331, 0.1559, 0.0633



# Previews

## White Background



This preview shows how the Yxy color 86.3006, 0.3442, 0.3849 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

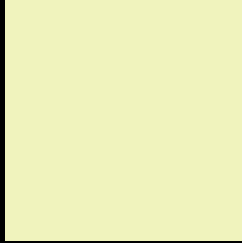
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.3006, 0.3442, 0.3849 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

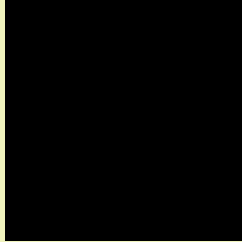
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

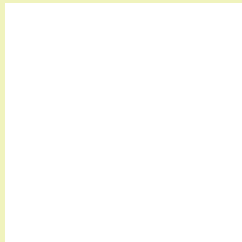
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.3006, 0.3442, 0.3849**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.3006, 0.3442, 0.3849.

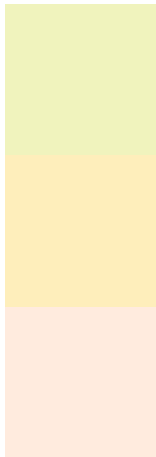


This preview shows how white text looks on a background with the Yxy color 86.3006, 0.3442, 0.3849.

# 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**

86.3006, 0.3442, 0.3849

**Protanopia**

85.8078, 0.3565, 0.3804

**Deuteranopia**

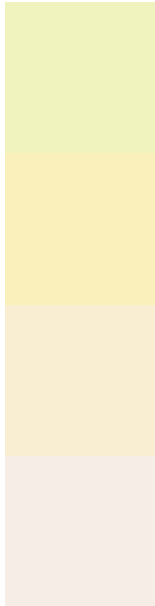
85.9506, 0.3347, 0.3420



## Tritanopia

85.8939, 0.3103, 0.3104

# Trichromacy



**Original Color**

86.3006, 0.3442, 0.3849

**Protanomaly**

86.0908, 0.3518, 0.3819

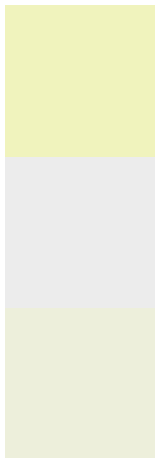
**Deuteranomaly**

86.1262, 0.3386, 0.3573

**Tritanomaly**

85.6940, 0.3225, 0.3361

# Monochromacy



**Original Color**

86.3006, 0.3442, 0.3849

**Achromatopsia**

83.8799, 0.3127, 0.3290

**Achromatomaly**

84.8520, 0.3238, 0.3496

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.3006, 0.3442, 0.3849 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(240, 243, 189)` looks like.

```
.text, #text, p{  
    color:rgb(240, 243, 189)  
}
```

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(240, 243, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 243, 189) }
```

## Border

The CSS property to change the border of an element to Yxy 86.3006, 0.3442, 0.3849 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(240, 243, 189) }
```

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

```
.border{ border-color:rgb(240, 243, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 243, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 243, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 243, 189);  
box-shadow:4px 4px 4px 4px rgb(240, 243,  
189) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.3006, 0.3442, 0.3849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 243, 189) }
```

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

```
.background{ background-color: rgb(240,  
243, 189) }
```

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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