

# Converting Colors

$Yxy(86.5173, 0.3481, 0.3869)$

Have a look what the booklet for  
Yxy(86.5173, 0.3481, 0.3869)  
contains.

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# Color

**Yxy(86.7010, 0.3482, 0.3876)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F3BA
RGB	243, 243, 186
RGB Percent	95%, 95%, 73%
CMY	0.0469, 0.0471, 0.2705
CMYK	0.00, 0.00, 0.23, 0.05
HSL	60°, 70%, 84%
HSV	60°, 23%, 95%
XYZ	77.8877, 86.7010, 59.0981
YIQ	236.5020, 18.2970, -17.7270

# Conversions

## Conversions Part 2

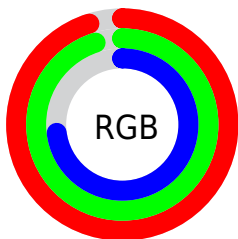
Format	Color
R <sub>Y</sub> B	186, 243, 186
Decimal	15987642
CIE Lab	94.61, -8.88, 27.57
CIE LCh	95, 28.961, 107.854
Yxy	86.7010, 0.3482, 0.3876
Android (android.graphics.Color)	4294177722 (0xFFFF3F3BA)
YUV	236.5020, -24.8975, 5.6987
Hunter-Lab	93.1134, -13.6362, 27.5486

# Details

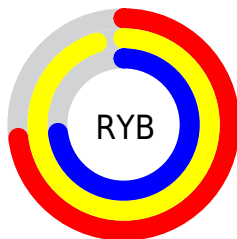
The Yxy color **86.7010, 0.3482, 0.3876** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.0648, 0.2727, 0.2628**, and the grayscale version is **84.4774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1908, 0.3203, 0.3415**, and **47.6457, 0.3556, 0.4016** is the 20% darker color. If you saturate the color by 10%, you get **85.7454, 0.3633, 0.4125**, and if you desaturate by 10%, it is **87.8401, 0.3329, 0.3623**.

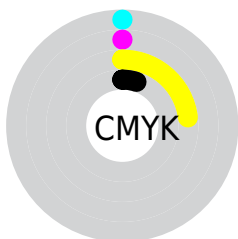
# Distribution



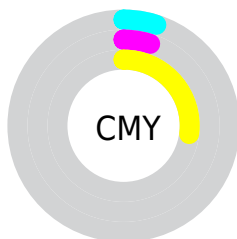
- Red (95%)
- Green (95%)
- Blue (73%)



- Red (73%)
- Yellow (95%)
- Blue (73%)



- Cyan (0%)
- Magenta (0%)
- Yellow (23%)
- Black (5%)




- Cyan (5%)
- Magenta (5%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.7010, 0.3482, 0.3876 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 86.7010, 0.3482, 0.3876 by changing the saturation by 10% instead.



 86.7010, 0.3482,  
0.3876

 86.7010, 0.3482,  
0.3876


517.2399, 0.3326,  
0.3610

 65.2478, 0.3515,  
0.3935


 142.7473, 0.3430,  
0.3785

 47.6620, 0.3555,  
0.4008


178.1092, 0.3409,  
0.3749

 33.5593, 0.3604,  
0.4098


218.8761, 0.3391,  
0.3718

 22.5553, 0.3664,  
0.4213


265.4325, 0.3375,  
0.3691

 14.2655, 0.3739,  
0.4364

318.1626, 0.3361,  
0.3667

 8.3055, 0.3835,  
0.4571

377.4510, 0.3348,

 4.2911, 0.3955,

0.3646

0.4864

443.6819, 0.3337,  
0.3627

■ 1.8377, 0.4354,  
0.5646

■ 0.5105, 0.3446,  
0.6554

■ 86.7010, 0.3482,  
0.3876

■ 86.7010, 0.3482,  
0.3876

■ 85.7454, 0.3633,  
0.4125

■ 87.8401, 0.3329,  
0.3623

■ 84.9529, 0.3775,  
0.4360

■ 89.1595, 0.3178,  
0.3374

■ 84.3177, 0.3903,  
0.4571

■ 90.4143, 0.3056,  
0.3173

■ 83.8290, 0.4011,  
0.4750


■ 90.4262, 0.3056,  
0.3173


 83.4750, 0.4095,  
0.4888

 90.4381, 0.3056,  
0.3173


 83.2417, 0.4153,  
0.4983


 90.4500, 0.3056,  
0.3173

 83.1123, 0.4184,  
0.5035

 90.4620, 0.3056,  
0.3173

 83.0674, 0.4195,  
0.5051

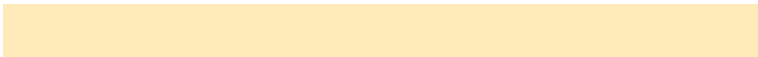
 90.4739, 0.3056,  
0.3174

 90.4858, 0.3056,  
0.3174

# Harmonies

## Analogous

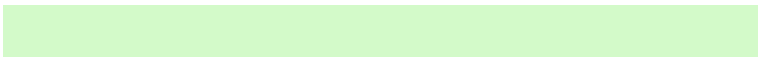
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7010, 0.3712, 0.3760



86.7010, 0.3482, 0.3876



86.7010, 0.3164, 0.3822

# Triad

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



86.7010, 0.3482, 0.3876



86.7010, 0.2513, 0.2995



86.7010, 0.3397, 0.3006

# Complementary

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



86.7010, 0.3482, 0.3876



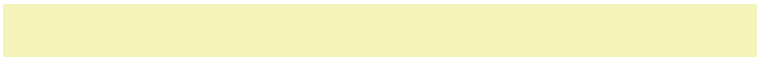
52.0648, 0.2727, 0.2628

# 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.



86.7010, 0.3063, 0.2824



86.7010, 0.3482, 0.3876



86.7010, 0.2566, 0.2806

# Square

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



86.7010, 0.3482, 0.3876



86.7010, 0.2612, 0.3286



86.7010, 0.2762, 0.2749

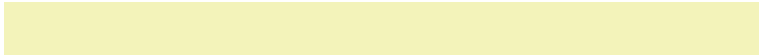


86.7010, 0.3666, 0.3259

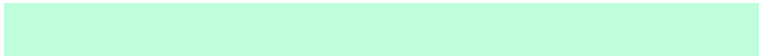


# Rectangle

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



86.7010, 0.3482, 0.3876



86.7010, 0.2947, 0.3688



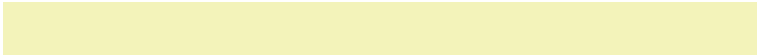
86.7010, 0.2762, 0.2749



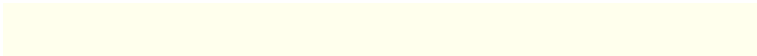
86.7010, 0.3288, 0.2935

# Sweetspot

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



86.7049, 0.3482, 0.3876



98.8939, 0.3231, 0.3462



57.7778, 0.3607, 0.3281



21.1480, 0.3240, 0.3477



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

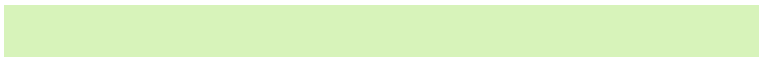
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7049, 0.3482, 0.3876



96.1866, 0.3552, 0.3992



82.1915, 0.3291, 0.3914



19.3111, 0.3269, 0.3524



45.5747, 0.4195, 0.5051



4.0063, 0.4194, 0.5052



# Inverse Universe

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



52.0648, 0.2727, 0.2628



51.5003, 0.2635, 0.2477



55.8361, 0.2928, 0.2664



15.9289, 0.2979, 0.3045



3.5549, 0.1500, 0.0601

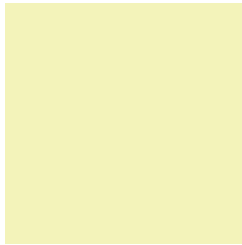


0.3132, 0.1501, 0.0602



# Previews

## White Background



This preview shows how the Yxy color 86.7010, 0.3482, 0.3876 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

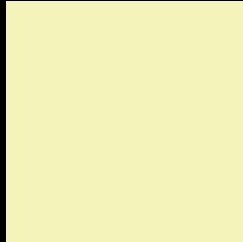
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.7010, 0.3482, 0.3876 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

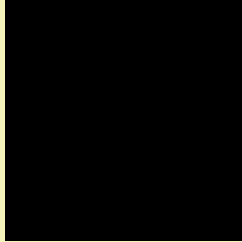
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 86.7010, 0.3482, 0.3876**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.7010, 0.3482, 0.3876.

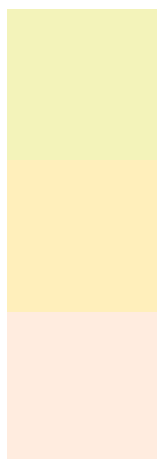


This preview shows how white text looks on a background with the Yxy color 86.7010, 0.3482, 0.3876.

# 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

86.7010, 0.3482, 0.3876

### Protanopia

86.5809, 0.3570, 0.3812

### Deuteranopia

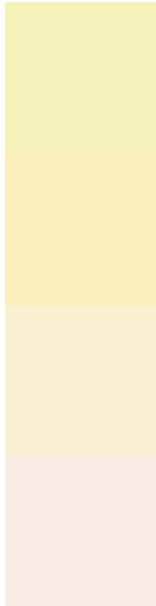
86.5786, 0.3339, 0.3419



## Tritanopia

86.6329, 0.3129, 0.3105

# Trichromacy



**Original Color**

86.7010, 0.3482, 0.3876

**Protanomaly**

86.4173, 0.3539, 0.3827

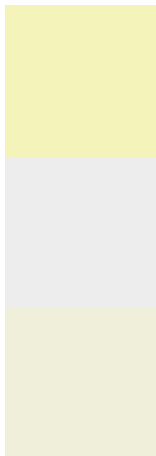
**Deuteranomaly**

86.8954, 0.3392, 0.3582

**Tritanomaly**

86.3653, 0.3258, 0.3370

# Monochromacy



**Original Color**

86.7010, 0.3482, 0.3876

**Achromatopsia**

84.6873, 0.3127, 0.3290

**Achromatomaly**

85.1457, 0.3258, 0.3506

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.7010, 0.3482, 0.3876 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(243, 243, 186)` looks like.

```
.text, #text, p{  
    color:rgb(243, 243, 186)  
}
```

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(243, 243, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 243, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 86.7010, 0.3482, 0.3876 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(243, 243, 186) }
```

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

```
.border{ border-color:rgb(243, 243, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 243, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(243, 243, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(243, 243, 186); box-shadow:4px 4px 4px 4px rgb(243, 243, 186) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.7010, 0.3482, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 243, 186) }
```

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

```
.background{ background-color: rgb(243,  
243, 186) }
```

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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