

# Converting Colors

$Yxy(86.2330, 0.3358, 0.3747)$

Have a look what the booklet for  
Yxy(86.2330, 0.3358, 0.3747)  
contains.

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# Color

**Yxy(86.2292, 0.3358, 0.3747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDF3C7
RGB	237, 243, 199
RGB Percent	93%, 95%, 78%
CMY	0.0707, 0.0470, 0.2195
CMYK	0.02, 0.00, 0.18, 0.05
HSL	68°, 65%, 87%
HSV	68°, 18%, 95%
XYZ	77.2772, 86.2292, 66.6222
YIQ	236.1900, 10.5480, -14.9560

# Conversions

## Conversions Part 2

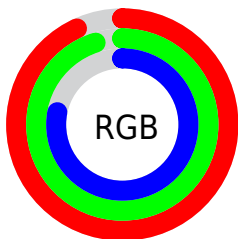
Format	Color
R <sub>YB</sub>	199, 243, 205
Decimal	15594439
CIE Lab	94.41, -9.24, 20.57
CIE LCh	94, 22.550, 114.186
Yxy	86.2292, 0.3358, 0.3747
Android (android.graphics.Color)	4293784519 (0xFFEDF3C7)
YUV	236.1900, -18.3347, 0.7104
Hunter-Lab	92.8597, -13.9579, 22.4641

# Details

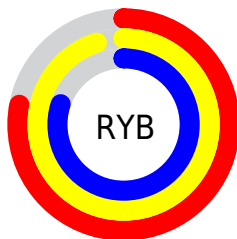
The Yxy color **86.2292, 0.3358, 0.3747** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.3253, 0.2871, 0.2802**, and the grayscale version is **84.1705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.4087, 0.3407, 0.3852** is the 20% darker color. If you saturate the color by 10%, you get **84.6222, 0.3486, 0.4009**, and if you desaturate by 10%, it is **88.0349, 0.3229, 0.3490**.

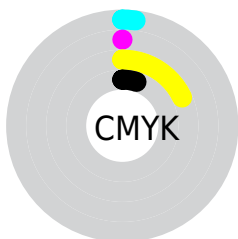
# Distribution



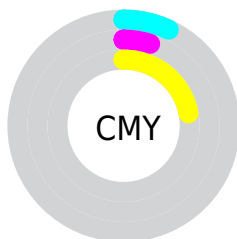
- Red (93%)
- Green (95%)
- Blue (78%)



- Red (78%)
- Yellow (95%)
- Blue (80%)



- Cyan (2%)
- Magenta (0%)
- Yellow (18%)
- Black (5%)




- Cyan (7%)
- Magenta (5%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.2292, 0.3358, 0.3747 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 86.2292, 0.3358, 0.3747 by changing the saturation by 10% instead.



 86.2292, 0.3358,  
0.3747

 86.2292, 0.3358,  
0.3747

515.6867, 0.3257,  
0.3539

 64.8575, 0.3380,  
0.3794

142.0893, 0.3324,  
0.3675

 47.3456, 0.3406,  
0.3851

177.3465, 0.3310,  
0.3647

 33.3089, 0.3439,  
0.3923


218.0010, 0.3298,  
0.3623

 22.3632, 0.3479,  
0.4016

264.4372, 0.3288,  
0.3602

 14.1240, 0.3531,  
0.4140

317.0394, 0.3279,  
0.3583

 8.2070, 0.3598,  
0.4313


376.1922, 0.3271,


 4.2277, 0.3688,

0.3567


0.4570

442.2798, 0.3263,  
0.3552


 1.8017, 0.3957,  
0.5184


 0.4882, 0.3282,  
0.6718

 86.2292, 0.3358,  
0.3747

 86.2292, 0.3358,  
0.3747


 84.6222, 0.3486,  
0.4009


 88.0349, 0.3229,  
0.3490


 83.1937, 0.3608,  
0.4269

 90.0358, 0.3104,  
0.3244

 81.9384, 0.3719,  
0.4515

 91.1039, 0.3081,  
0.3173

 80.8461, 0.3813,  
0.4739

 91.7176, 0.3103,  
0.3174

■ 79.9055, 0.3886,  
0.4929

■ 92.3423, 0.3124,  
0.3175

■ 79.1038, 0.3933,  
0.5077

■ 92.5903, 0.3133,  
0.3175

■ 78.4259, 0.3954,  
0.5179

■ 77.8508, 0.3950,  
0.5238

■ 77.7474, 0.3948,  
0.5247

# Harmonies

## Analogous

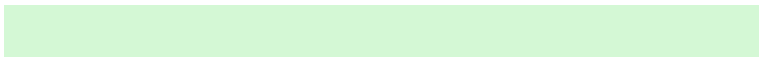
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2292, 0.3556, 0.3688



86.2292, 0.3358, 0.3747



86.2292, 0.3104, 0.3673

# Triad

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



86.2292, 0.3358, 0.3747



86.2292, 0.2641, 0.3024



86.2292, 0.3389, 0.3106

# Complementary

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



86.2292, 0.3358, 0.3747



60.3253, 0.2871, 0.2802

# Split Complementary

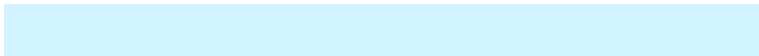
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.2292, 0.3134, 0.2945



86.2292, 0.3358, 0.3747



86.2292, 0.2709, 0.2892

# Square

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



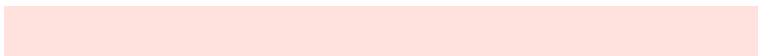
86.2292, 0.3358, 0.3747



86.2292, 0.2696, 0.3239



86.2292, 0.2887, 0.2867

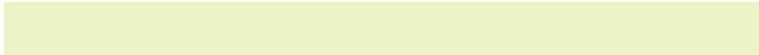


86.2292, 0.3577, 0.3315

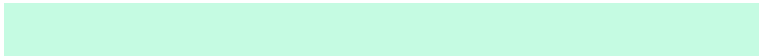


# Rectangle

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



86.2292, 0.3358, 0.3747



86.2292, 0.2937, 0.3555



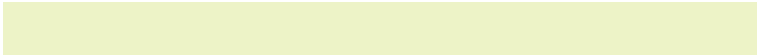
86.2292, 0.2887, 0.2867



86.2292, 0.3308, 0.3045

# Sweetspot

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



86.2330, 0.3358, 0.3747



98.8745, 0.3190, 0.3413



66.7957, 0.3468, 0.3353



21.1303, 0.3199, 0.3430



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

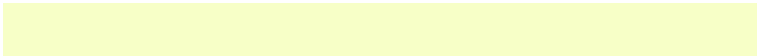


# Same Dimension

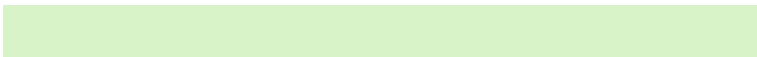
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.2330, 0.3358, 0.3747



95.4634, 0.3409, 0.3851



82.7065, 0.3210, 0.3769



19.1912, 0.3247, 0.3525



42.7087, 0.3953, 0.5244



3.7849, 0.3984, 0.5218



# Inverse Universe

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



60.3253, 0.2871, 0.2802



61.2320, 0.2806, 0.2681



63.6464, 0.3028, 0.2824



16.0361, 0.3001, 0.3047



3.7663, 0.1553, 0.0629

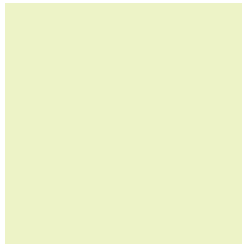


0.3642, 0.1645, 0.0680



# Previews

## White Background



This preview shows how the Yxy color 86.2292, 0.3358, 0.3747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

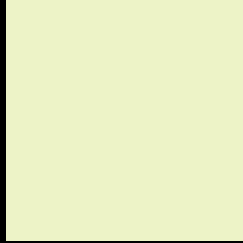
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.2292, 0.3358, 0.3747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

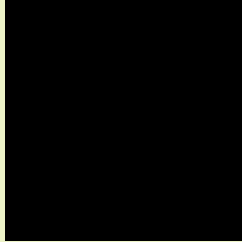
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

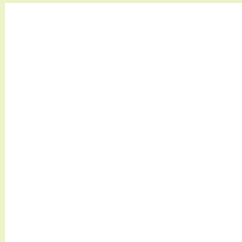
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 86.2292, 0.3358, 0.3747**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.2292, 0.3358, 0.3747.

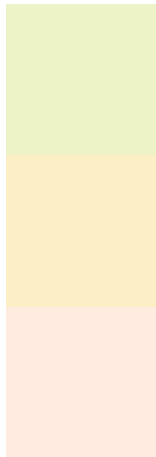


This preview shows how white text looks on a background with the Yxy color 86.2292, 0.3358, 0.3747.

# 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

86.2292, 0.3358, 0.3747

### Protanopia

85.8757, 0.3485, 0.3705

### Deuteranopia

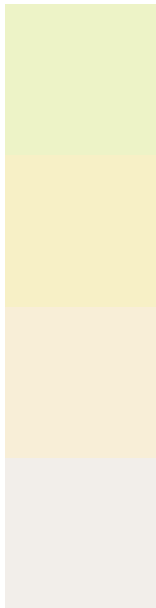
86.0585, 0.3334, 0.3400



## Tritanopia

85.9849, 0.3077, 0.3103

# Trichromacy



## Original Color

86.2292, 0.3358, 0.3747

## Protanomaly

86.1716, 0.3440, 0.3718

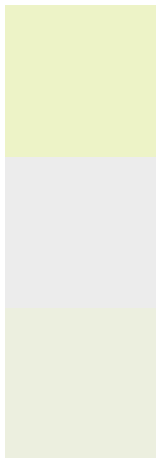
## Deuteranomaly

86.0118, 0.3340, 0.3523

## Tritanomaly

85.9668, 0.3178, 0.3330

# Monochromacy



## Original Color

86.2292, 0.3358, 0.3747

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

84.8936, 0.3206, 0.3455

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.2292, 0.3358, 0.3747 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(237, 243, 199)` looks like.

```
.text, #text, p{  
    color:rgb(237, 243, 199)  
}
```

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(237, 243, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 243, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 86.2292, 0.3358, 0.3747 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(237, 243, 199) }
```

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

```
.border{ border-color:rgb(237, 243, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 243, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 243, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 243, 199);  
box-shadow:4px 4px 4px 4px rgb(237, 243,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.2292, 0.3358, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 243, 199) }
```

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

```
.background{ background-color: rgb(237,  
243, 199) }
```

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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