

# Converting Colors

$Y_{xy}(100.0000, 0.3956, 0.3758)$

Have a look what the booklet for  
Yxy(100.0000, 0.3956, 0.3758)  
contains.

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# Color

**Yxy(87.7585, 0.3565, 0.3831)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1BB
RGB	255, 241, 187
RGB Percent	100%, 95%, 73%
CMY	0.0000, 0.0549, 0.2666
CMYK	0.00, 0.05, 0.27, 0.00
HSL	48°, 100%, 87%
HSV	48°, 27%, 100%
XYZ	81.6651, 87.7585, 59.6510
YIQ	239.0300, 25.6780, -13.8260

# Conversions

## Conversions Part 2

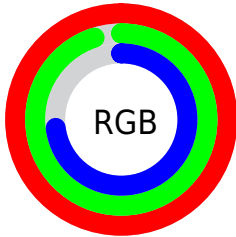
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 255, 187
Decimal	16773563
CIE Lab	95.06, -3.37, 27.83
CIE LCh	95, 28.034, 96.894
Yxy	87.7585, 0.3565, 0.3831
Android (android.graphics.Color)	4294963643 (0xFFFFF1BB)
YUV	239.0300, -25.6508, 14.0057
Hunter-Lab	93.6795, -8.3318, 27.8224

# Details

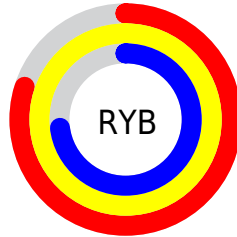
The Yxy color **87.7585, 0.3565, 0.3831** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.5587, 0.2678, 0.2683**, and the grayscale version is **86.5323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **48.3971, 0.3665, 0.3953** is the 20% darker color. If you saturate the color by 10%, you get **83.7030, 0.3744, 0.4037**, and if you desaturate by 10%, it is **92.1054, 0.3392, 0.3624**.

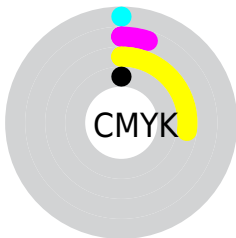
# Distribution



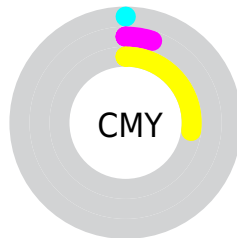
- Red (100%)
- Green (95%)
- Blue (73%)



- Red (80%)
- Yellow (100%)
- Blue (73%)



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7585, 0.3565, 0.3831 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 87.7585, 0.3565, 0.3831 by changing the saturation by 10% instead.




 87.7585, 0.3565,  
0.3831

 87.7585, 0.3565,  
0.3831


520.7120, 0.3371,  
0.3589

 66.1231, 0.3607,  
0.3884

 144.2209, 0.3500,  
0.3749

 48.3723, 0.3657,  
0.3949

179.8167, 0.3474,  
0.3716

 34.1218, 0.3719,  
0.4028


220.8347, 0.3451,  
0.3688

 22.9872, 0.3796,  
0.4129

267.6593, 0.3431,  
0.3663

 14.5841, 0.3895,  
0.4259

320.6750, 0.3414,  
0.3641

 8.5280, 0.4023,  
0.4433

380.2660, 0.3398,

 4.4346, 0.4192,

0.3622

0.4672

446.8169, 0.3384,  
0.3604

■ 1.9195, 0.4683,  
0.5317

■ 0.5601, 0.4456,  
0.5544

■ 87.7585, 0.3565,  
0.3831

■ 87.7585, 0.3565,  
0.3831

■ 83.7030, 0.3744,  
0.4037

■ 92.1054, 0.3392,  
0.3624

■ 79.9159, 0.3925,  
0.4232

■ 96.7420, 0.3229,  
0.3421

■ 76.3893, 0.4100,  
0.4406

99.9999, 0.3127,  
0.3290

■ 73.1100, 0.4262,  
0.4550

■ 70.0631, 0.4402,  
0.4653

■ 67.2314, 0.4514,  
0.4709

■ 64.5932, 0.4597,  
0.4717

■ 63.7455, 0.4620,  
0.4714

# Harmonies

## Analogous

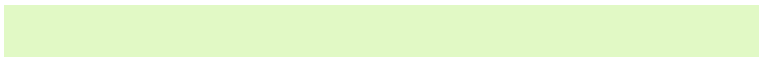
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7585, 0.3737, 0.3672



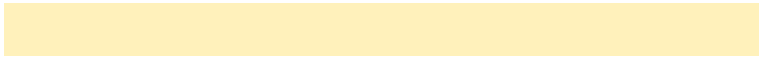
87.7585, 0.3565, 0.3831



87.7585, 0.3280, 0.3842

# Triad

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



87.7585, 0.3565, 0.3831



87.7585, 0.2552, 0.3101



87.7585, 0.3272, 0.2941

# Complementary

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



87.7585, 0.3565, 0.3831



59.5587, 0.2678, 0.2683

# 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.



87.7585, 0.2951, 0.2799



87.7585, 0.3565, 0.3831



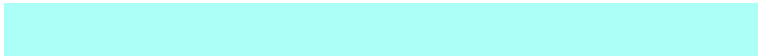
87.7585, 0.2549, 0.2876

# Square

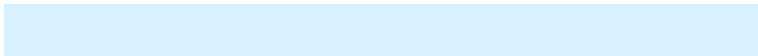
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7585, 0.3565, 0.3831



87.7585, 0.2700, 0.3400



87.7585, 0.2691, 0.2773



87.7585, 0.3565, 0.3166

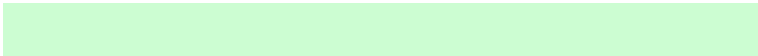


# Rectangle

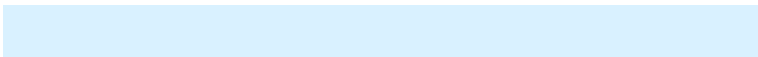
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7585, 0.3565, 0.3831



87.7585, 0.3067, 0.3752



87.7585, 0.2691, 0.2773



87.7585, 0.3163, 0.2883

# Sweetspot

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



87.7625, 0.3565, 0.3831



96.1056, 0.3250, 0.3447



61.0552, 0.3580, 0.3139



20.4184, 0.3274, 0.3478



0.0000, 0.0000, 0.0000

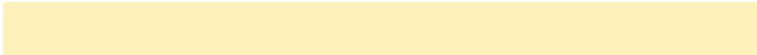


21.4041, 0.3127, 0.3290



# Same Dimension

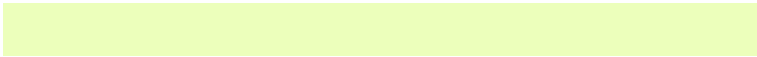
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7625, 0.3565, 0.3831



85.5621, 0.3660, 0.3941



92.8954, 0.3402, 0.3989



20.4184, 0.3274, 0.3478



33.5297, 0.4612, 0.4720



3.4171, 0.4555, 0.4766



# Inverse Universe

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



59.5587, 0.2678, 0.2683



53.0607, 0.2577, 0.2540



55.9240, 0.2796, 0.2548



17.9832, 0.2979, 0.3095



5.2474, 0.1557, 0.0803



0.6582, 0.1610, 0.0996



# Previews

## White Background



This preview shows how the Yxy color 87.7585, 0.3565, 0.3831 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

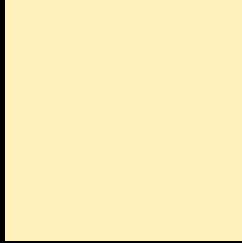
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.7585, 0.3565, 0.3831 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 87.7585, 0.3565, 0.3831**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.7585, 0.3565, 0.3831.



This preview shows how white text looks on a background with the Yxy color 87.7585, 0.3565, 0.3831.

# 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

87.7585, 0.3565, 0.3831

### Protanopia

87.4752, 0.3522, 0.3751

### Deuteranopia

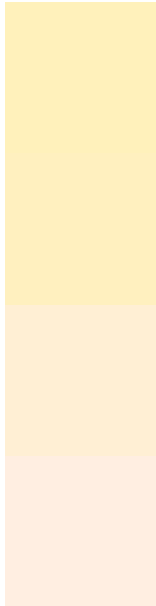
87.9001, 0.3317, 0.3409



## Tritanopia

87.9663, 0.3186, 0.3183

# Trichromacy



## Original Color

87.7585, 0.3565, 0.3831

## Protanomaly

87.3418, 0.3542, 0.3781

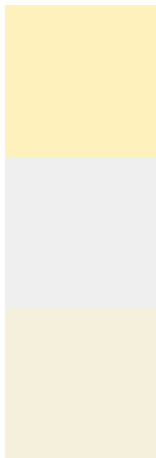
## Deuteranomaly

87.7465, 0.3407, 0.3559

## Tritanomaly

87.8453, 0.3324, 0.3419

# Monochromacy



## Original Color

87.7585, 0.3565, 0.3831

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.9000, 0.3285, 0.3493

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.7585, 0.3565, 0.3831 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, 241, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 187)  
}
```

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, 241, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 87.7585, 0.3565, 0.3831 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, 241, 187) }
```

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

```
.border{ border-color:rgb(255, 241, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.7585, 0.3565, 0.3831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 187) }
```

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

```
.background{ background-color: rgb(255,  
241, 187) }
```

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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