

# Converting Colors

$Y_{xy}(100.0000, 0.3906, 0.3734)$

Have a look what the booklet for  
Yxy(100.0000, 0.3906, 0.3734)  
contains.

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# Color

**Yxy(88.5258, 0.3537, 0.3800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2BF
RGB	255, 242, 191
RGB Percent	100%, 95%, 75%
CMY	0.0000, 0.0510, 0.2509
CMYK	0.00, 0.05, 0.25, 0.00
HSL	48°, 100%, 87%
HSV	48°, 25%, 100%
XYZ	82.3989, 88.5258, 62.0379
YIQ	240.0730, 24.1190, -13.1050

# Conversions

## Conversions Part 2

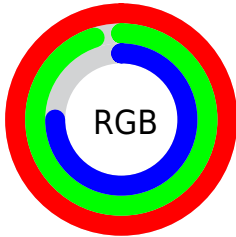
Format	Color
R <sub>Y</sub> B	207, 255, 191
Decimal	16773823
CIE Lab	95.38, -3.34, 26.23
CIE LCh	95, 26.445, 97.249
Yxy	88.5258, 0.3537, 0.3800
Android (android.graphics.Color)	4294963903 (0xFFFFF2BF)
YUV	240.0730, -24.1930, 13.0910
Hunter-Lab	94.0882, -8.3306, 26.7683

# Details

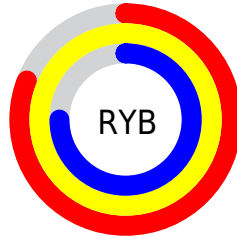
The Yxy color **88.5258, 0.3537, 0.3800** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.4854, 0.2706, 0.2722**, and the grayscale version is **87.3779, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **48.9297, 0.3629, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **84.4618, 0.3715, 0.4007**, and if you desaturate by 10%, it is **92.8773, 0.3366, 0.3592**.

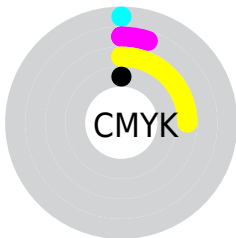
# Distribution



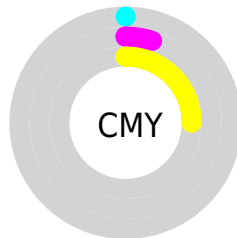
- Red (100%)
- Green (95%)
- Blue (75%)



- Red (81%)
- Yellow (100%)
- Blue (75%)



- Cyan (0%)
- Magenta (5%)
- Yellow (25%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.5258, 0.3537, 0.3800 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 88.5258, 0.3537, 0.3800 by changing the saturation by 10% instead.




 88.5258, 0.3537,  
0.3800

 88.5258, 0.3537,  
0.3800


523.2236, 0.3356,  
0.3572

 66.7586, 0.3576,  
0.3850


 145.2890, 0.3476,  
0.3722

 48.8885, 0.3623,  
0.3911


181.0537, 0.3452,  
0.3692

 34.5310, 0.3681,  
0.3986


222.2531, 0.3430,  
0.3665

 23.3018, 0.3754,  
0.4081

269.2716, 0.3412,  
0.3642

 14.8165, 0.3847,  
0.4205

322.4934, 0.3395,  
0.3621

 8.6907, 0.3969,  
0.4371

382.3031, 0.3381,

 4.5400, 0.4132,

0.3603

0.4601

449.0850, 0.3368,  
0.3587

■ 1.9800, 0.4661,  
0.5285

■ 0.5958, 0.4487,  
0.5513

■ 88.5258, 0.3537,  
0.3800

■ 88.5258, 0.3537,  
0.3800

■ 84.4618, 0.3715,  
0.4007

■ 92.8773, 0.3366,  
0.3592

■ 80.6673, 0.3895,  
0.4205

■ 97.5193, 0.3205,  
0.3390

■ 77.1330, 0.4071,  
0.4384

100.0000, 0.3127,  
0.3290

■ 73.8460, 0.4234,  
0.4533

■ 70.7917, 0.4377,  
0.4644

■ 67.9532, 0.4494,  
0.4707

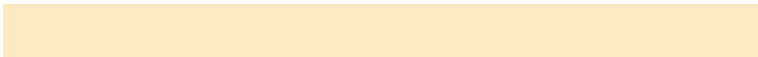
■ 65.3101, 0.4580,  
0.4724

■ 64.0709, 0.4614,  
0.4719

# Harmonies

## Analogous

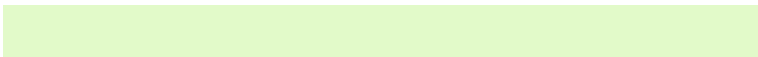
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.5258, 0.3699, 0.3654



88.5258, 0.3537, 0.3800



88.5258, 0.3268, 0.3806

# Triad

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



88.5258, 0.3537, 0.3800



88.5258, 0.2584, 0.3110



88.5258, 0.3268, 0.2963

# Complementary

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



88.5258, 0.3537, 0.3800



61.4854, 0.2706, 0.2722

# 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.



88.5258, 0.2966, 0.2828



88.5258, 0.3537, 0.3800



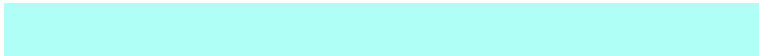
88.5258, 0.2583, 0.2899

# Square

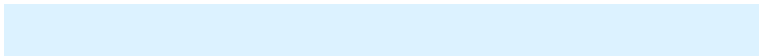
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.5258, 0.3537, 0.3800



88.5258, 0.2722, 0.3390



88.5258, 0.2719, 0.2802



88.5258, 0.3542, 0.3177

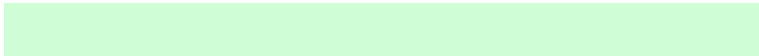


# Rectangle

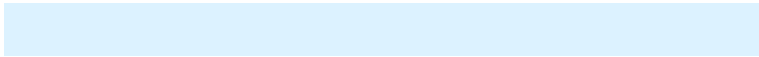
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.5258, 0.3537, 0.3800



88.5258, 0.3067, 0.3721



88.5258, 0.2719, 0.2802



88.5258, 0.3165, 0.2907

# Sweetspot

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



88.5281, 0.3537, 0.3800



96.1400, 0.3250, 0.3448



62.9268, 0.3546, 0.3148



20.4271, 0.3274, 0.3478



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

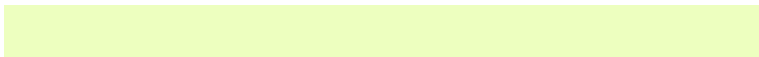
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.5281, 0.3537, 0.3800



86.4988, 0.3624, 0.3902



93.2639, 0.3386, 0.3945



20.4271, 0.3274, 0.3478



33.6977, 0.4605, 0.4725



3.4320, 0.4549, 0.4770



# Inverse Universe

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



61.4854, 0.2706, 0.2722



55.3444, 0.2615, 0.2592



58.0607, 0.2819, 0.2597



17.9751, 0.2979, 0.3095



5.2133, 0.1555, 0.0799



0.6538, 0.1609, 0.0991



# Previews

## White Background



This preview shows how the Yxy color 88.5258, 0.3537, 0.3800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

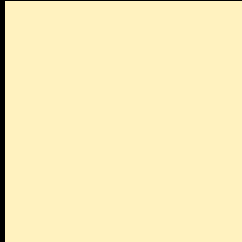
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.5258, 0.3537, 0.3800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

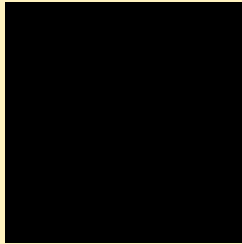
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.5258, 0.3537, 0.3800**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.5258, 0.3537, 0.3800.

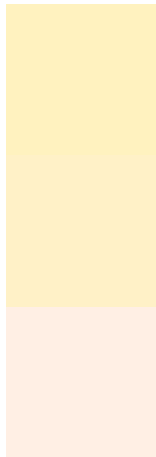


This preview shows how white text looks on a background with the Yxy color 88.5258, 0.3537, 0.3800.

# 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

88.5258, 0.3537, 0.3800

### Protanopia

88.2941, 0.3488, 0.3710

### Deuteranopia

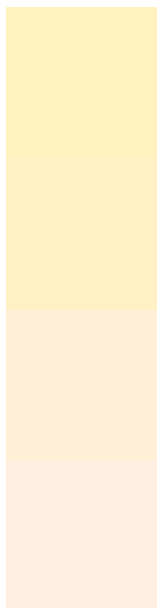
88.5944, 0.3303, 0.3399



## Tritanopia

88.6057, 0.3179, 0.3184

# Trichromacy



## Original Color

88.5258, 0.3537, 0.3800

## Protanomaly

88.1561, 0.3507, 0.3740

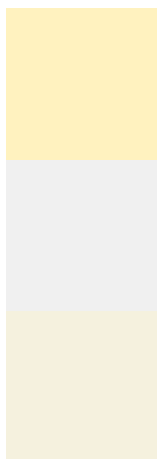
## Deuteranomaly

88.4865, 0.3386, 0.3539

## Tritanomaly

88.5391, 0.3310, 0.3409

# Monochromacy



## Original Color

88.5258, 0.3537, 0.3800

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

87.5970, 0.3271, 0.3482

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.5258, 0.3537, 0.3800 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, 242, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 191)  
}
```

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, 242, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 88.5258, 0.3537, 0.3800 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, 242, 191) }
```

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

```
.border{ border-color:rgb(255, 242, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.5258, 0.3537, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 191) }
```

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

```
.background{ background-color: rgb(255,  
242, 191) }
```

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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