

# Converting Colors

$Y_{xy}(90.0090, 0.3482, 0.3892)$

Have a look what the booklet for  
Yxy(90.0090, 0.3482, 0.3892)  
contains.

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# Color

**Yxy(89.7452, 0.3482, 0.3889)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6F7BC
RGB	246, 247, 188
RGB Percent	96%, 97%, 74%
CMY	0.0352, 0.0314, 0.2627
CMYK	0.00, 0.00, 0.24, 0.03
HSL	61°, 79%, 85%
HSV	61°, 24%, 97%
XYZ	80.3530, 89.7452, 60.6686
YIQ	239.9750, 18.3430, -18.5610

# Conversions

## Conversions Part 2

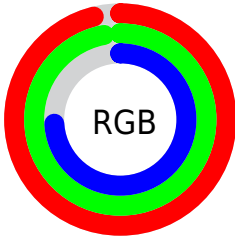
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 247, 189
Decimal	16185276
CIE Lab	95.89, -9.51, 28.34
CIE LCh	96, 29.893, 108.550
Yxy	89.7452, 0.3482, 0.3889
Android (android.graphics.Color)	4294375356 (0xFFFF6F7BC)
YUV	239.9750, -25.6237, 5.2839
Hunter-Lab	94.7339, -14.3813, 28.3438

# Details

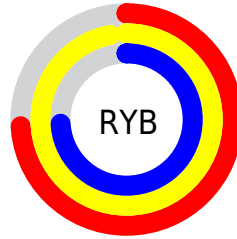
The Yxy color **89.7452, 0.3482, 0.3889** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.5010, 0.2724, 0.2614**, and the grayscale version is **87.3168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **49.8017, 0.3554, 0.4030** is the 20% darker color. If you saturate the color by 10%, you get **88.7006, 0.3629, 0.4139**, and if you desaturate by 10%, it is **90.9803, 0.3332, 0.3635**.

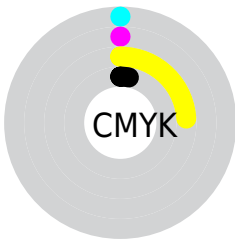
# Distribution



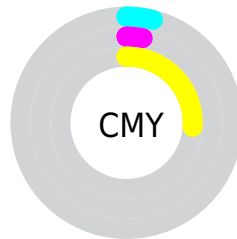
- Red (96%)
- Green (97%)
- Blue (74%)



- Red (74%)
- Yellow (97%)
- Blue (74%)



- Cyan (0%)
- Magenta (0%)
- Yellow (24%)
- Black (3%)




- Cyan (4%)
- Magenta (3%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.7452, 0.3482, 0.3889 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 89.7452, 0.3482, 0.3889 by changing the saturation by 10% instead.




 89.7452, 0.3482,  
0.3889

 89.7452, 0.3482,  
0.3889


527.2017, 0.3328,  
0.3618

 67.7693, 0.3515,  
0.3949


 146.9844, 0.3430,  
0.3797

 49.7101, 0.3554,  
0.4022


183.0166, 0.3410,  
0.3760

 35.1831, 0.3601,  
0.4112


224.5029, 0.3392,  
0.3729

 23.8040, 0.3660,  
0.4228

271.8279, 0.3376,  
0.3701

 15.1883, 0.3733,  
0.4379

325.3758, 0.3362,  
0.3677

 8.9516, 0.3824,  
0.4584

385.5312, 0.3349,

 4.7096, 0.3937,

0.3655

0.4873

452.6783, 0.3338,  
0.3636

■ 2.0779, 0.4339,  
0.5661

■ 0.6522, 0.3728,  
0.6272

■ 89.7452, 0.3482,  
0.3889

■ 89.7452, 0.3482,  
0.3889

■ 88.7006, 0.3629,  
0.4139

■ 90.9803, 0.3332,  
0.3635

■ 87.8251, 0.3768,  
0.4376


■ 92.4025, 0.3183,  
0.3385


■ 87.1127, 0.3893,  
0.4589


■ 93.5575, 0.3082,  
0.3212

■ 86.5523, 0.3997,  
0.4770


■ 93.6310, 0.3084,  
0.3212

 86.1312, 0.4077,  
0.4910


 93.7047, 0.3087,  
0.3212

 85.8350, 0.4130,  
0.5006

 93.7785, 0.3089,  
0.3213

 85.6460, 0.4157,  
0.5059

 93.8525, 0.3092,  
0.3213

 85.5673, 0.4164,  
0.5075

 93.9266, 0.3094,  
0.3213

 94.0009, 0.3097,  
0.3213

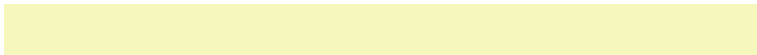
# Harmonies

## Analogous

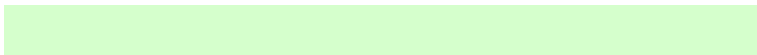
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7452, 0.3720, 0.3773



89.7452, 0.3482, 0.3889



89.7452, 0.3156, 0.3830

# Triad

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



89.7452, 0.3482, 0.3889



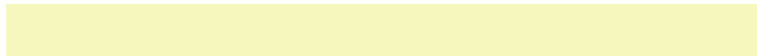
89.7452, 0.2500, 0.2983



89.7452, 0.3410, 0.3006

# Complementary

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



89.7452, 0.3482, 0.3889



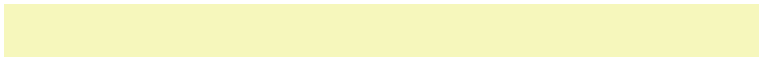
53.5010, 0.2724, 0.2614

# Split Complementary

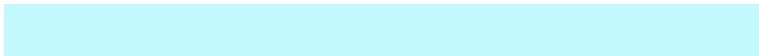
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.7452, 0.3069, 0.2818



89.7452, 0.3482, 0.3889



89.7452, 0.2558, 0.2793

# Square

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



89.7452, 0.3482, 0.3889



89.7452, 0.2598, 0.3278



89.7452, 0.2761, 0.2739



89.7452, 0.3682, 0.3264

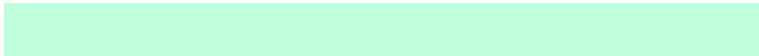


# Rectangle

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



89.7452, 0.3482, 0.3889



89.7452, 0.2935, 0.3691



89.7452, 0.2761, 0.2739



89.7452, 0.3299, 0.2933

# Sweetspot

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



89.7492, 0.3482, 0.3889



98.8480, 0.3229, 0.3462



59.3752, 0.3627, 0.3291



21.1373, 0.3238, 0.3477



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

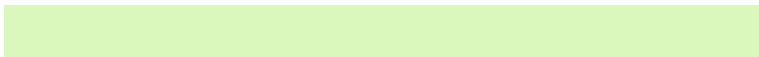
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7492, 0.3482, 0.3889



95.8900, 0.3559, 0.4019



84.9793, 0.3287, 0.3928



19.2990, 0.3266, 0.3524



45.2619, 0.4165, 0.5075



3.9824, 0.4169, 0.5072



# Inverse Universe

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



53.5010, 0.2724, 0.2614



50.2646, 0.2622, 0.2444



57.5146, 0.2931, 0.2653



15.9396, 0.2982, 0.3045



3.5712, 0.1505, 0.0603

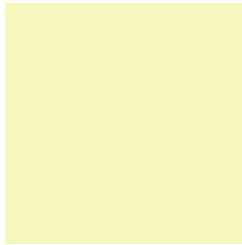


0.3183, 0.1518, 0.0610



# Previews

## White Background



This preview shows how the Yxy color 89.7452, 0.3482, 0.3889 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

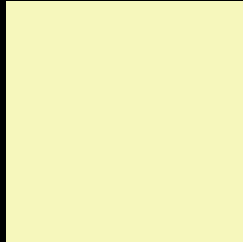
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.7452, 0.3482, 0.3889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

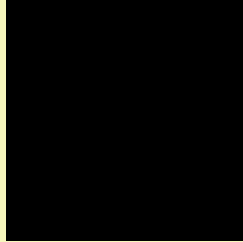
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.7452, 0.3482, 0.3889**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.7452, 0.3482, 0.3889.

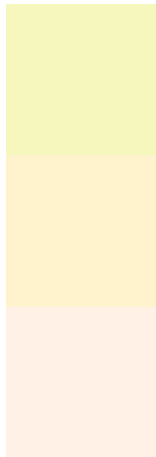


This preview shows how white text looks on a background with the Yxy color 89.7452, 0.3482, 0.3889.

# 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

89.7452, 0.3482, 0.3889

### Protanopia

89.7690, 0.3445, 0.3668

### Deuteranopia

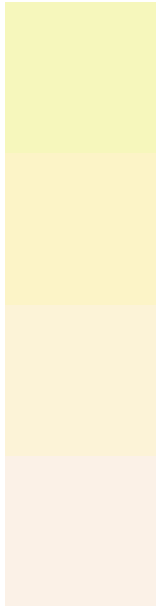
89.8838, 0.3289, 0.3398



## Tritanopia

89.4399, 0.3128, 0.3126

# Trichromacy



## Original Color

89.7452, 0.3482, 0.3889

## Protanomaly

89.5203, 0.3461, 0.3741

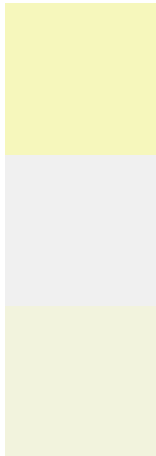
## Deuteranomaly

89.7029, 0.3361, 0.3569

## Tritanomaly

89.1893, 0.3255, 0.3389

# Monochromacy



## Original Color

89.7452, 0.3482, 0.3889

## Achromatopsia

87.1367, 0.3127, 0.3290

## Achromatomaly

88.1989, 0.3255, 0.3513

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.7452, 0.3482, 0.3889 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(246, 247, 188)` looks like.

```
.text, #text, p{  
    color:rgb(246, 247, 188)  
}
```

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(246, 247, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 247, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 89.7452, 0.3482, 0.3889 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(246, 247, 188) }
```

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

```
.border{ border-color:rgb(246, 247, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 247, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 247, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 247, 188);  
box-shadow:4px 4px 4px 4px rgb(246, 247,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.7452, 0.3482, 0.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 247, 188) }
```

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

```
.background{ background-color: rgb(246,  
247, 188) }
```

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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