

# Converting Colors

$Y_{xy}(107.3028, 0.3787, 0.3944)$

Have a look what the booklet for  
Yxy(107.3028, 0.3787, 0.3944)  
contains.

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# Color

**Yxy(96.3252, 0.3538, 0.3969)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFFBA
RGB	255, 255, 186
RGB Percent	100%, 100%, 73%
CMY	0.0000, 0.0000, 0.2707
CMYK	0.00, 0.00, 0.27, 0.00
HSL	60°, 100%, 86%
HSV	60°, 27%, 100%
XYZ	85.8651, 96.3252, 60.5036
YIQ	247.1340, 22.1490, -21.4590

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 255, 186
Decimal	16777146
CIE <sub>Lab</sub>	98.56, -10.45, 33.09
CIE <sub>LCh</sub>	99, 34.704, 107.521
Yxy	96.3252, 0.3538, 0.3969
Android (android.graphics.Color)	4294967226 (0xFFFFFFFFBA)
YUV	247.1340, -30.1391, 6.8985
Hunter-Lab	98.1454, -15.5890, 32.1513

# Details

The Yxy color **96.3252, 0.3538, 0.3969** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.7607, 0.2654, 0.2507**, and the grayscale version is **93.3593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.2511, 0.3197, 0.3405**, and **54.0599, 0.3624, 0.4112** is the 20% darker color. If you saturate the color by 10%, you get **95.3346, 0.3686, 0.4215**, and if you desaturate by 10%, it is **97.5068, 0.3385, 0.3716**.

# Distribution



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



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



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



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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 96.3252, 0.3538, 0.3969 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 96.3252, 0.3538, 0.3969 by changing the saturation by 10% instead.




 96.3252, 0.3538,  
0.3969

 96.3252, 0.3538,  
0.3969


548.3988, 0.3363,  
0.3667

 73.2384, 0.3574,  
0.4035


 156.0942, 0.3480,  
0.3867

 54.1709, 0.3618,  
0.4114


193.5451, 0.3457,  
0.3826

 38.7383, 0.3669,  
0.4212


236.5530, 0.3436,  
0.3791

 26.5562, 0.3732,  
0.4335

285.5020, 0.3418,  
0.3760

 17.2402, 0.3808,  
0.4494

340.7768, 0.3402,  
0.3733

 10.4059, 0.3901,  
0.4704

402.7616, 0.3387,

 5.6689, 0.4009,

0.3708

0.4989

471.8408, 0.3374,  
0.3686

■ 2.6448, 0.4332,  
0.5668

■ 0.9492, 0.4049,  
0.5951

■ 96.3252, 0.3538,  
0.3969

■ 96.3252, 0.3538,  
0.3969

■ 95.3346, 0.3686,  
0.4215

■ 97.5068, 0.3385,  
0.3716

■ 94.5284, 0.3824,  
0.4443

■ 98.8927, 0.3232,  
0.3464

■ 93.8943, 0.3946,  
0.4644

100.0000, 0.3127,  
0.3290

■ 93.4196, 0.4045,  
0.4808

■ 93.0903, 0.4119,  
0.4931

■ 92.8896, 0.4167,  
0.5009

■ 92.7964, 0.4189,  
0.5046

■ 92.7800, 0.4193,  
0.5053

# Harmonies

## Analogous

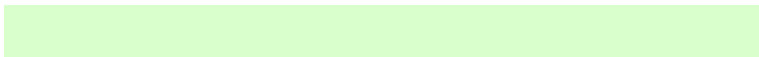
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.3252, 0.3805, 0.3826



96.3252, 0.3538, 0.3969



96.3252, 0.3170, 0.3913

# Triad

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



96.3252, 0.3538, 0.3969



96.3252, 0.2423, 0.2949



96.3252, 0.3434, 0.2961

# Complementary

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



96.3252, 0.3538, 0.3969



52.7607, 0.2654, 0.2507

# 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.



96.3252, 0.3047, 0.2755



96.3252, 0.3538, 0.3969



96.3252, 0.2481, 0.2733

# Square

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



96.3252, 0.3538, 0.3969



96.3252, 0.2537, 0.3286



96.3252, 0.2702, 0.2670



96.3252, 0.3749, 0.3247

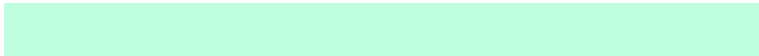


# Rectangle

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



96.3252, 0.3538, 0.3969



96.3252, 0.2920, 0.3758



96.3252, 0.2702, 0.2670



96.3252, 0.3307, 0.2881

# Sweetspot

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



96.3239, 0.3538, 0.3969



98.7551, 0.3246, 0.3487



59.9092, 0.3717, 0.3292



21.0908, 0.3269, 0.3525



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

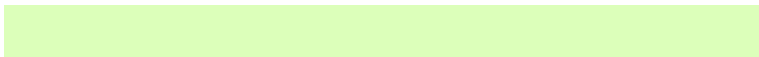
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.3239, 0.3538, 0.3969



95.8126, 0.3612, 0.4092



90.3554, 0.3307, 0.4023



21.0908, 0.3269, 0.3525



48.4795, 0.4193, 0.5053



4.7203, 0.4193, 0.5053



# Inverse Universe

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



52.7607, 0.2654, 0.2507



46.1907, 0.2552, 0.2339



57.6168, 0.2898, 0.2559



17.3778, 0.2978, 0.3044



3.7726, 0.1500, 0.0600

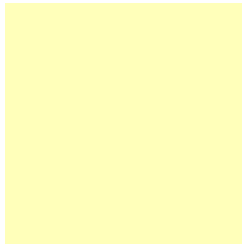


0.3673, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 96.3252, 0.3538, 0.3969 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

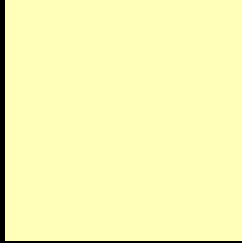
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 96.3252, 0.3538, 0.3969 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

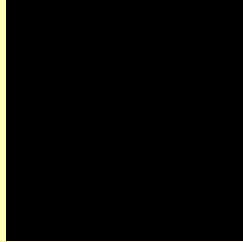
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 96.3252, 0.3538, 0.3969**

## **Background**



This preview shows how black text looks on a background with the Yxy color 96.3252, 0.3538, 0.3969.



This preview shows how white text looks on a background with the Yxy color 96.3252, 0.3538, 0.3969.

# Color Blindness Simulation

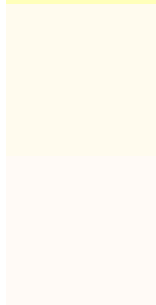
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

96.3252, 0.3538, 0.3969



### Protanopia

96.4274, 0.3230, 0.3416

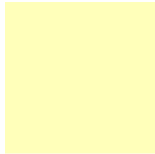
### Deuteranopia

96.2850, 0.3183, 0.3329

## Tritanopia

96.2314, 0.3130, 0.3233

# Trichromacy



## Original Color

96.3252, 0.3538, 0.3969



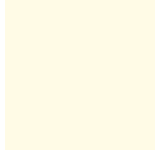
## Protanomaly

95.9953, 0.3344, 0.3613



## Deuteranomaly

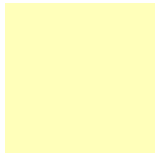
96.2626, 0.3313, 0.3563



## Tritanomaly

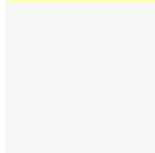
95.9675, 0.3278, 0.3494

# Monochromacy



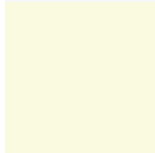
## Original Color

96.3252, 0.3538, 0.3969



## Achromatopsia

93.0111, 0.3127, 0.3290



## Achromatomaly

94.1315, 0.3276, 0.3537

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 96.3252, 0.3538, 0.3969 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, 255, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 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(255, 255, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 96.3252, 0.3538, 0.3969 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, 255, 186) }
```

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

```
.border{ border-color:rgb(255, 255, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 96.3252, 0.3538, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 186) }
```

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

```
.background{ background-color: rgb(255,  
255, 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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