

# Converting Colors

$Y_{xy}(173.4744, 0.4954, 0.3587)$

Have a look what the booklet for  
Yxy(173.4744, 0.4954, 0.3587)  
contains.

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# **Color**

**Yxy(94.0601, 0.3511, 0.3873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBC0
RGB	255, 251, 192
RGB Percent	100%, 98%, 75%
CMY	0.0000, 0.0157, 0.2470
CMYK	0.00, 0.02, 0.25, 0.00
HSL	56°, 100%, 88%
HSV	56°, 25%, 100%
XYZ	85.2685, 94.0601, 63.5325
YIQ	245.4700, 21.3230, -17.5010

# Conversions

## Conversions Part 2

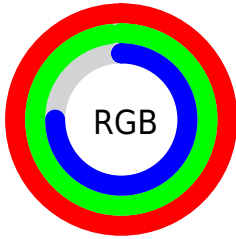
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 255, 192
Decimal	16776128
CIE <sub>Lab</sub>	97.66, -7.67, 28.83
CIE <sub>LCh</sub>	98, 29.836, 104.893
Yxy	94.0601, 0.3511, 0.3873
Android (android.graphics.Color)	4294966208 (0xFFFFFBC0)
YUV	245.4700, -26.3607, 8.3578
Hunter-Lab	96.9846, -12.7864, 29.0496

# Details

The Yxy color **94.0601, 0.3511, 0.3873** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.9152, 0.2705, 0.2631**, and the grayscale version is **91.9061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6196, 0.3162, 0.3347**, and **52.8710, 0.3590, 0.4005** is the 20% darker color. If you saturate the color by 10%, you get **92.0081, 0.3669, 0.4109**, and if you desaturate by 10%, it is **96.3018, 0.3352, 0.3634**.

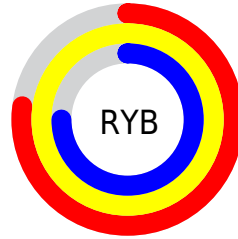
# Distribution



Red (100%)

Green (98%)

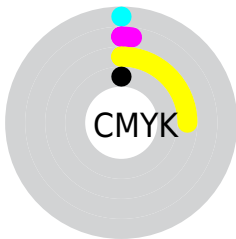
Blue (75%)



Red (77%)

Yellow (100%)

Blue (75%)

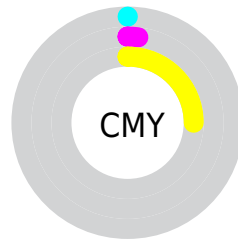


Cyan (0%)

Magenta (2%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.0601, 0.3511, 0.3873 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 94.0601, 0.3511, 0.3873 by changing the saturation by 10% instead.





 94.0601, 0.3511,  
0.3873

 94.0601, 0.3511,  
0.3873

541.1516, 0.3345,  
0.3613

 71.3529, 0.3546,  
0.3930

 152.9655, 0.3456,  
0.3785

 52.6303, 0.3588,  
0.3999


189.9324, 0.3433,  
0.3750

 37.5077, 0.3639,  
0.4084


232.4215, 0.3414,  
0.3720

 25.6008, 0.3702,  
0.4191

280.8170, 0.3397,  
0.3693

 16.5253, 0.3780,  
0.4330

335.5034, 0.3382,  
0.3670

 9.8966, 0.3880,  
0.4516

396.8650, 0.3368,

 5.3304, 0.4005,

0.3649

0.4774

465.2863, 0.3356,  
0.3630

■ 2.4424, 0.4357,  
0.5395

■ 0.8476, 0.4218,  
0.5782

■ 94.0601, 0.3511,  
0.3873

■ 94.0601, 0.3511,  
0.3873

■ 92.0081, 0.3669,  
0.4109

■ 96.3018, 0.3352,  
0.3634

■ 90.1579, 0.3822,  
0.4332

■ 98.7649, 0.3197,  
0.3398

■ 88.4911, 0.3962,  
0.4533

100.0000, 0.3127,  
0.3290

■ 86.9955, 0.4084,  
0.4701

■ 85.6574, 0.4182,  
0.4829

■ 84.4608, 0.4253,  
0.4912

■ 83.3861, 0.4296,  
0.4951

■ 82.8515, 0.4311,  
0.4959

# Harmonies

## Analogous

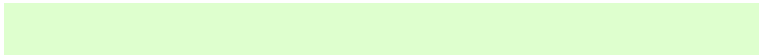
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0601, 0.3729, 0.3742



94.0601, 0.3511, 0.3873



94.0601, 0.3197, 0.3837

# Triad

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



94.0601, 0.3511, 0.3873



94.0601, 0.2514, 0.3020



94.0601, 0.3366, 0.2983

# Complementary

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



94.0601, 0.3511, 0.3873



57.9152, 0.2705, 0.2631

# 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.



94.0601, 0.3030, 0.2810



94.0601, 0.3511, 0.3873



94.0601, 0.2553, 0.2818

# Square

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



94.0601, 0.3511, 0.3873



94.0601, 0.2629, 0.3318



94.0601, 0.2736, 0.2748



94.0601, 0.3647, 0.3232

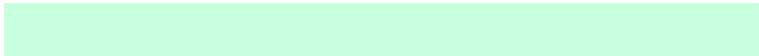


# Rectangle

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



94.0601, 0.3511, 0.3873



94.0601, 0.2977, 0.3714



94.0601, 0.2736, 0.2748



94.0601, 0.3255, 0.2915

# Sweetspot

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



94.0527, 0.3511, 0.3873



98.1799, 0.3232, 0.3451



62.9567, 0.3615, 0.3248



20.9820, 0.3241, 0.3465



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

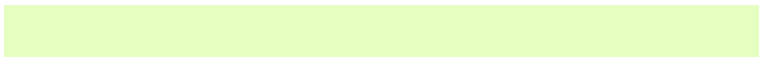
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.0527, 0.3511, 0.3873



92.9449, 0.3595, 0.3999



91.7714, 0.3320, 0.3948



20.8808, 0.3271, 0.3510



43.3765, 0.4309, 0.4960



4.2809, 0.4295, 0.4972



# Inverse Universe

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



57.9152, 0.2705, 0.2631



50.7651, 0.2600, 0.2466



60.0289, 0.2892, 0.2622



17.5633, 0.2978, 0.3060



4.0400, 0.1511, 0.0638

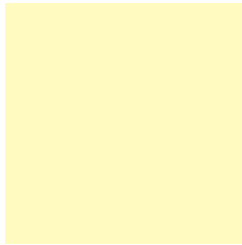


0.4555, 0.1535, 0.0727



# Previews

## White Background



This preview shows how the Yxy color 94.0601, 0.3511, 0.3873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

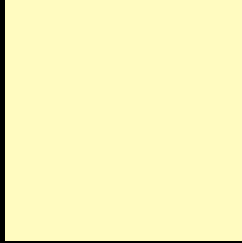
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.0601, 0.3511, 0.3873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

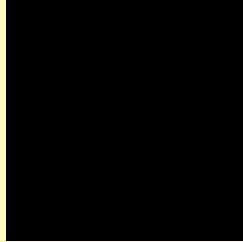
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.0601, 0.3511, 0.3873**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.0601, 0.3511, 0.3873.

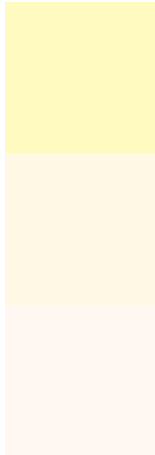


This preview shows how white text looks on a background with the Yxy color 94.0601, 0.3511, 0.3873.

# 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

94.0601, 0.3511, 0.3873

### Protanopia

93.9962, 0.3293, 0.3486

### Deuteranopia

94.1324, 0.3215, 0.3348



## Tritanopia

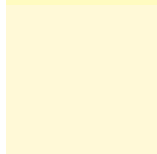
94.3273, 0.3137, 0.3214

# Trichromacy



## Original Color

94.0601, 0.3511, 0.3873



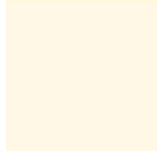
## Protanomaly

93.9177, 0.3372, 0.3625



## Deuteranomaly

93.7225, 0.3324, 0.3535



## Tritanomaly

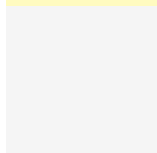
94.1643, 0.3275, 0.3456

# Monochromacy



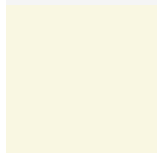
## Original Color

94.0601, 0.3511, 0.3873



## Achromatopsia

91.3099, 0.3127, 0.3290



## Achromatomaly

92.1523, 0.3267, 0.3498

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.0601, 0.3511, 0.3873 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, 251, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 192)  
}
```

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, 251, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 94.0601, 0.3511, 0.3873 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, 251, 192) }
```

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

```
.border{ border-color:rgb(255, 251, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.0601, 0.3511, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 192) }
```

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

```
.background{ background-color: rgb(255,  
251, 192) }
```

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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