

# Converting Colors

$Y_{xy}(100.0000, 0.3487, 0.4085)$

Have a look what the booklet for  
Yxy(100.0000, 0.3487, 0.4085)  
contains.

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# Color

**Yxy(94.7131, 0.3501, 0.4012)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FFB7
RGB	247, 255, 183
RGB Percent	97%, 100%, 72%
CMY	0.0316, 0.0000, 0.2824
CMYK	0.03, 0.00, 0.28, 0.00
HSL	67°, 100%, 86%
HSV	67°, 28%, 100%
XYZ	82.6497, 94.7131, 58.7117
YIQ	244.4000, 18.3440, -24.0880

# Conversions

## Conversions Part 2

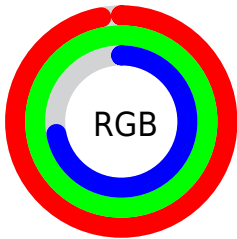
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	183, 255, 191
Decimal	16252855
CIE <sub>Lab</sub>	97.92, -13.79, 33.62
CIE <sub>LCh</sub>	98, 36.342, 112.296
Yxy	94.7131, 0.3501, 0.4012
Android (android.graphics.Color)	4294442935 (0xFFFF7FFB7)
YUV	244.4000, -30.2702, 2.2802
Hunter-Lab	97.3207, -18.7198, 32.3559

# Details

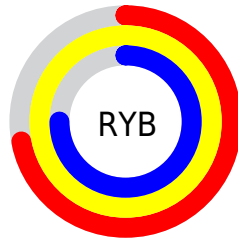
The Yxy color **94.7131, 0.3501, 0.4012** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **52.1579, 0.2685, 0.2480**, and the grayscale version is **91.0245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0120, 0.3220, 0.3444**, and **52.9203, 0.3577, 0.4170** is the 20% darker color. If you saturate the color by 10%, you get **93.2215, 0.3628, 0.4269**, and if you desaturate by 10%, it is **96.3847, 0.3368, 0.3751**.

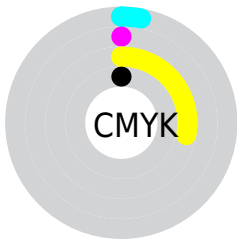
# Distribution



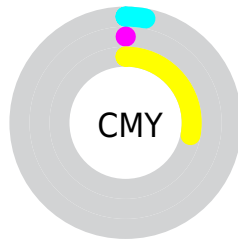
- Red (97%)
- Green (100%)
- Blue (72%)



- Red (72%)
- Yellow (100%)
- Blue (75%)



- Cyan (3%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.7131, 0.3501, 0.4012 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 94.7131, 0.3501, 0.4012 by changing the saturation by 10% instead.





 94.7131, 0.3501,  
0.4012

 94.7131, 0.3501,  
0.4012


543.2461, 0.3343,  
0.3688

 71.8962, 0.3534,  
0.4083

 153.8682, 0.3449,  
0.3902

 53.0739, 0.3572,  
0.4170


190.9752, 0.3428,  
0.3858

 37.8618, 0.3617,  
0.4277


233.6143, 0.3409,  
0.3820

 25.8754, 0.3672,  
0.4412

282.1700, 0.3393,  
0.3787

 16.7305, 0.3737,  
0.4587

337.0266, 0.3378,  
0.3758

 10.0425, 0.3814,  
0.4821

398.5686, 0.3365,

 5.4271, 0.3896,

0.3732

0.5142

467.1803, 0.3353,  
0.3709

■ 2.5000, 0.4139,  
0.5861

■ 0.8766, 0.3616,  
0.6384

■ 94.7131, 0.3501,  
0.4012

■ 94.7131, 0.3501,  
0.4012

■ 93.2215, 0.3628,  
0.4269

■ 96.3847, 0.3368,  
0.3751

■ 91.9299, 0.3744,  
0.4512

■ 98.2763, 0.3235,  
0.3494

■ 90.8168, 0.3843,  
0.4730

100.0000, 0.3127,  
0.3290

■ 89.8694, 0.3919,  
0.4913

■ 89.0733, 0.3970,  
0.5055

■ 88.4114, 0.3995,  
0.5150

■ 87.8603, 0.3995,  
0.5203

■ 87.7692, 0.3994,  
0.5211

# Harmonies

## Analogous

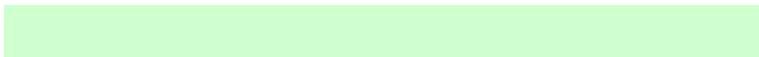
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.7131, 0.3806, 0.3888



94.7131, 0.3501, 0.4012



94.7131, 0.3107, 0.3918

# Triad

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



94.7131, 0.3501, 0.4012



94.7131, 0.2385, 0.2884



94.7131, 0.3511, 0.2988

# Complementary

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



94.7131, 0.3501, 0.4012



52.1579, 0.2685, 0.2480

# 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.



94.7131, 0.3106, 0.2755



94.7131, 0.3501, 0.4012



94.7131, 0.2475, 0.2683

# Square

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



94.7131, 0.3501, 0.4012



94.7131, 0.2476, 0.3223



94.7131, 0.2731, 0.2644



94.7131, 0.3821, 0.3295

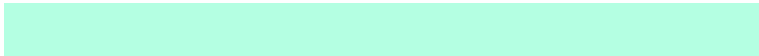


# Rectangle

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



94.7131, 0.3501, 0.4012



94.7131, 0.2850, 0.3734



94.7131, 0.2731, 0.2644



94.7131, 0.3381, 0.2899

# Sweetspot

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



94.7030, 0.3501, 0.4012



98.3251, 0.3232, 0.3488



61.5830, 0.3731, 0.3367



20.9816, 0.3252, 0.3526



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

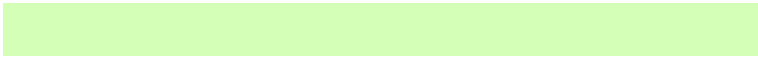
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.7030, 0.3501, 0.4012



93.8264, 0.3575, 0.4161



88.9034, 0.3268, 0.4069



20.9816, 0.3252, 0.3526



45.9026, 0.3998, 0.5208



4.4975, 0.4021, 0.5189



# Inverse Universe

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



52.1579, 0.2685, 0.2480



44.8001, 0.2577, 0.2287



57.2775, 0.2940, 0.2536



17.4749, 0.2996, 0.3045



3.9362, 0.1539, 0.0621

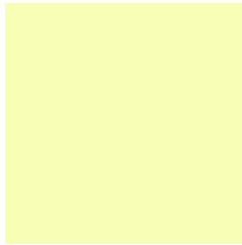


0.4133, 0.1609, 0.0660



# Previews

## White Background



This preview shows how the Yxy color 94.7131, 0.3501, 0.4012 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

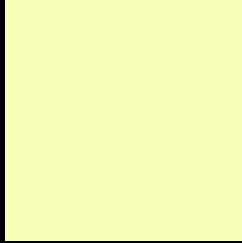
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.7131, 0.3501, 0.4012 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

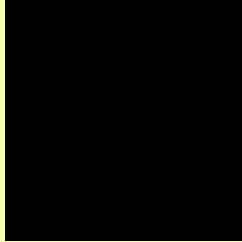
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.7131, 0.3501, 0.4012**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.7131, 0.3501, 0.4012.



This preview shows how white text looks on a background with the Yxy color 94.7131, 0.3501, 0.4012.

# Color Blindness Simulation

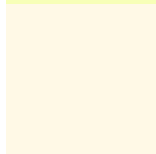
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



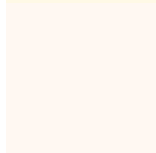
### Original Color

94.7131, 0.3501, 0.4012



### Protanopia

94.7245, 0.3280, 0.3475



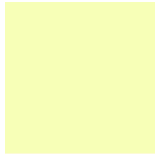
### Deuteranopia

94.8056, 0.3208, 0.3348

## Tritanopia

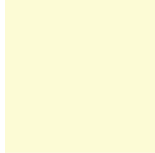
94.4370, 0.3112, 0.3213

# Trichromacy



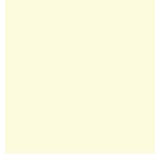
## Original Color

94.7131, 0.3501, 0.4012



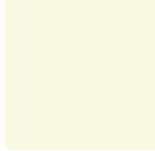
## Protanomaly

94.4939, 0.3362, 0.3666



## Deuteranomaly

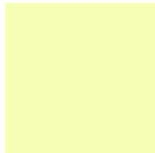
94.9103, 0.3313, 0.3585



## Tritanomaly

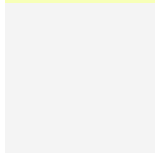
94.3524, 0.3252, 0.3497

# Monochromacy



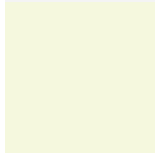
## Original Color

94.7131, 0.3501, 0.4012



## Achromatopsia

90.4661, 0.3127, 0.3290



## Achromatomaly

91.8212, 0.3264, 0.3551

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.7131, 0.3501, 0.4012 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(247, 255, 183)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 183)  
}
```

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(247, 255, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 94.7131, 0.3501, 0.4012 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(247, 255, 183) }
```

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

```
.border{ border-color:rgb(247, 255, 183) }
```

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

Here you see how a box with a 4 pixel rgb(247, 255, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.7131, 0.3501, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 183) }
```

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

```
.background{ background-color: rgb(247,  
255, 183) }
```

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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