

# Converting Colors

$Y_{xy}(100.0000, 0.3746, 0.3873)$

Have a look what the booklet for  
Yxy(100.0000, 0.3746, 0.3873)  
contains.

<b>Yxy(93.8422, 0.3541, 0.3923)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(93.8422, 0.3541, 0.3923)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBBB
RGB	255, 251, 187
RGB Percent	100%, 98%, 73%
CMY	0.0000, 0.0157, 0.2667
CMYK	0.00, 0.02, 0.27, 0.00
HSL	56°, 100%, 87%
HSV	56°, 27%, 100%
XYZ	84.7044, 93.8422, 60.6637
YIQ	244.9000, 22.9280, -19.0560

# Conversions

## Conversions Part 2

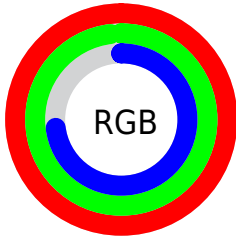
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 255, 187
Decimal	16776123
CIELab	97.57, -8.36, 31.24
CIELCh	98, 32.335, 104.976
Yxy	93.8422, 0.3541, 0.3923
Android (android.graphics.Color)	4294966203 (0xFFFFFBBB)
YUV	244.9000, -28.5447, 8.8577
Hunter-Lab	96.8722, -13.4472, 30.6817

# Details

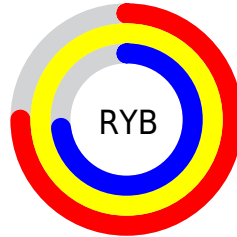
The Yxy color **93.8422, 0.3541, 0.3923** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.0401, 0.2666, 0.2567**, and the grayscale version is **91.4480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **52.7294, 0.3628, 0.4067** is the 20% darker color. If you saturate the color by 10%, you get **91.9201, 0.3698, 0.4158**, and if you desaturate by 10%, it is **95.9740, 0.3382, 0.3682**.

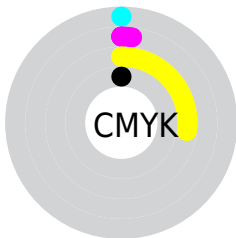
# Distribution



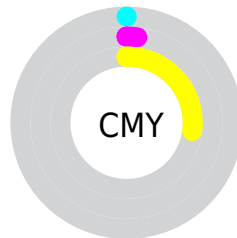
- Red (100%)
- Green (98%)
- Blue (73%)



- Red (75%)
- Yellow (100%)
- Blue (73%)



- Cyan (0%)
- Magenta (2%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.8422, 0.3541, 0.3923 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 93.8422, 0.3541, 0.3923 by changing the saturation by 10% instead.




 93.8422, 0.3541,  
0.3923

 93.8422, 0.3541,  
0.3923


540.4517, 0.3362,  
0.3641

 71.1717, 0.3579,  
0.3985

 152.6641, 0.3482,  
0.3827

 52.4823, 0.3623,  
0.4059

189.5843, 0.3458,  
0.3789

 37.3897, 0.3677,  
0.4151


232.0232, 0.3437,  
0.3756

 25.5093, 0.3743,  
0.4267

280.3651, 0.3418,  
0.3728

 16.4569, 0.3825,  
0.4417

334.9946, 0.3402,  
0.3702

 9.8481, 0.3928,  
0.4616


396.2959, 0.3387,


 5.2983, 0.4052,


0.3679


0.4887


464.6535, 0.3374,  
0.3659

 2.4234, 0.4429,  
0.5571


 0.8379, 0.4142,  
0.5858


 93.8422, 0.3541,  
0.3923


 93.8422, 0.3541,  
0.3923

 91.9201, 0.3698,  
0.4158


 95.9740, 0.3382,  
0.3682

 90.1847, 0.3848,  
0.4379

 98.3125, 0.3227,  
0.3444

 88.6291, 0.3984,  
0.4574

99.9983, 0.3127,  
0.3290

 87.2408, 0.4100,  
0.4735

■ 86.0057, 0.4191,  
0.4855

■ 84.9074, 0.4255,  
0.4930

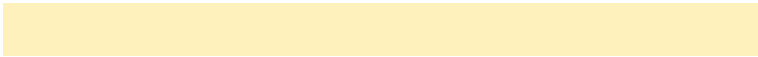
■ 83.9249, 0.4293,  
0.4962

■ 83.6123, 0.4301,  
0.4967

# Harmonies

## Analogous

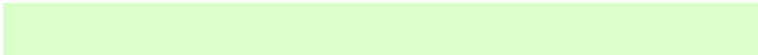
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8422, 0.3779, 0.3778



93.8422, 0.3541, 0.3923



93.8422, 0.3200, 0.3886

# Triad

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



93.8422, 0.3541, 0.3923



93.8422, 0.2465, 0.2994



93.8422, 0.3386, 0.2959

# Complementary

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



93.8422, 0.3541, 0.3923



55.0401, 0.2666, 0.2567

# 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.



93.8422, 0.3022, 0.2773



93.8422, 0.3541, 0.3923



93.8422, 0.2507, 0.2778

# Square

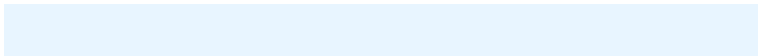
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.8422, 0.3541, 0.3923



93.8422, 0.2587, 0.3318



93.8422, 0.2705, 0.2705



93.8422, 0.3692, 0.3226

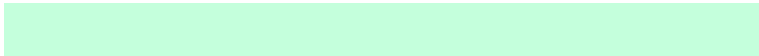


# Rectangle

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



93.8422, 0.3541, 0.3923



93.8422, 0.2963, 0.3751



93.8422, 0.2705, 0.2705



93.8422, 0.3266, 0.2886

# Sweetspot

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



93.8464, 0.3541, 0.3923



97.9952, 0.3247, 0.3476



60.5859, 0.3667, 0.3244



20.8977, 0.3271, 0.3511



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

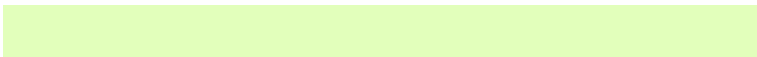
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8464, 0.3541, 0.3923



92.8014, 0.3625, 0.4050



91.1950, 0.3334, 0.4004



20.8977, 0.3271, 0.3511



43.7713, 0.4299, 0.4968



4.3151, 0.4286, 0.4979



# Inverse Universe

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



55.0401, 0.2666, 0.2567



48.0619, 0.2559, 0.2396



57.4317, 0.2869, 0.2564



17.5483, 0.2978, 0.3059



4.0166, 0.1510, 0.0635

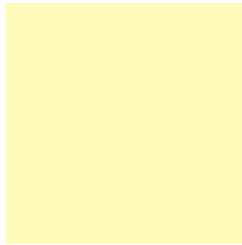


0.4484, 0.1533, 0.0717



# Previews

## White Background



This preview shows how the Yxy color 93.8422, 0.3541, 0.3923 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

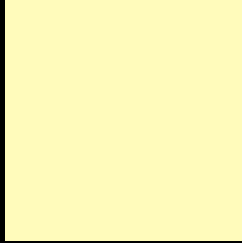
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.8422, 0.3541, 0.3923 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

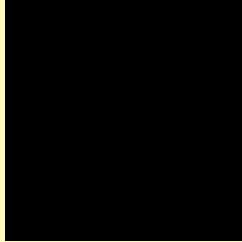
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.8422, 0.3541, 0.3923**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.8422, 0.3541, 0.3923.

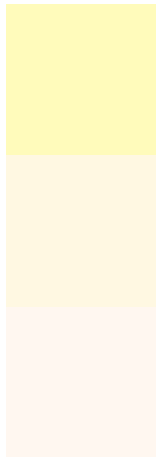


This preview shows how white text looks on a background with the Yxy color 93.8422, 0.3541, 0.3923.

# 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

93.8422, 0.3541, 0.3923

### Protanopia

93.8858, 0.3306, 0.3505

### Deuteranopia

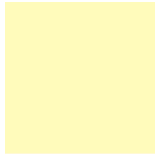
94.0728, 0.3221, 0.3358



## Tritanopia

93.6567, 0.3144, 0.3213

# Trichromacy



## Original Color

93.8422, 0.3541, 0.3923



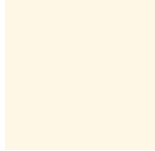
## Protanomaly

93.7648, 0.3391, 0.3655



## Deuteranomaly

93.6153, 0.3337, 0.3555



## Tritanomaly

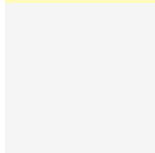
93.4387, 0.3288, 0.3466

# Monochromacy



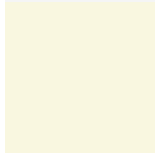
## Original Color

93.8422, 0.3541, 0.3923



## Achromatopsia

91.3099, 0.3127, 0.3290



## Achromatomaly

92.0431, 0.3279, 0.3519

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.8422, 0.3541, 0.3923 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 93.8422, 0.3541, 0.3923 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, 187) }
```

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

```
.border{ border-color:rgb(255, 251, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.8422, 0.3541, 0.3923 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, 187) }
```

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

```
.background{ background-color: rgb(255,  
251, 187) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor