

# Converting Colors

$Y_{xy}(123.1877, 0.4344, 0.3775)$

Have a look what the booklet for  
Yxy(123.1877, 0.4344, 0.3775)  
contains.

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# Color

**Yxy(93.7151, 0.3559, 0.3953)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFBB8
RGB	255, 251, 184
RGB Percent	100%, 98%, 72%
CMY	0.0002, 0.0156, 0.2785
CMYK	0.00, 0.02, 0.28, 0.00
HSL	57°, 100%, 86%
HSV	57°, 28%, 100%
XYZ	84.3744, 93.7151, 58.9839
YIQ	244.5580, 23.8910, -19.9890

# Conversions

## Conversions Part 2

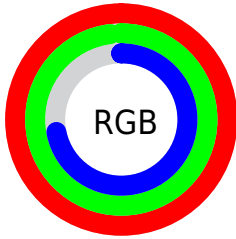
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 255, 184
Decimal	16776120
CIELab	97.52, -8.76, 32.68
CIELCh	98, 33.835, 105.005
Yxy	93.7151, 0.3559, 0.3953
Android (android.graphics.Color)	4294966200 (0xFFFFFBB8)
YUV	244.5580, -29.8551, 9.1576
Hunter-Lab	96.8066, -13.8349, 31.6394

# Details

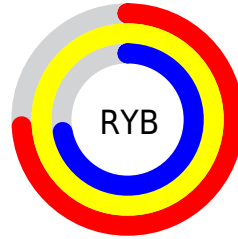
The Yxy color **93.7151, 0.3559, 0.3953** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.3386, 0.2643, 0.2527**, and the grayscale version is **91.1640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **52.6477, 0.3650, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **91.8662, 0.3715, 0.4188**, and if you desaturate by 10%, it is **95.7717, 0.3401, 0.3712**.

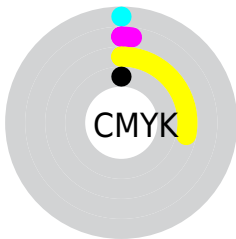
# Distribution



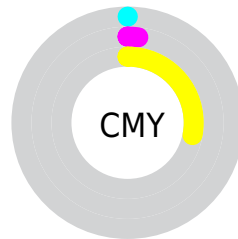
- Red (100%)
- Green (98%)
- Blue (72%)



- Red (74%)
- Yellow (100%)
- Blue (72%)



- Cyan (0%)
- Magenta (2%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.7151, 0.3559, 0.3953 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 93.7151, 0.3559, 0.3953 by changing the saturation by 10% instead.




 93.7151, 0.3559,  
0.3953

 93.7151, 0.3559,  
0.3953


540.0433, 0.3373,  
0.3657

 71.0660, 0.3598,  
0.4017

 152.4883, 0.3497,  
0.3853

 52.3961, 0.3644,  
0.4095


189.3811, 0.3472,  
0.3813

 37.3209, 0.3700,  
0.4192


231.7907, 0.3451,  
0.3779

 25.4560, 0.3768,  
0.4312

280.1014, 0.3432,  
0.3748

 16.4171, 0.3852,  
0.4468

334.6977, 0.3414,  
0.3722

 9.8198, 0.3955,  
0.4674

395.9638, 0.3399,

 5.2796, 0.4078,

0.3698

0.4952

464.2842, 0.3385,  
0.3676

■ 2.4123, 0.4407,  
0.5593

■ 0.8322, 0.4095,  
0.5905

■ 93.7151, 0.3559,  
0.3953

■ 93.7151, 0.3559,  
0.3953

■ 91.8662, 0.3715,  
0.4188

■ 95.7717, 0.3401,  
0.3712

■ 90.2019, 0.3863,  
0.4406

■ 98.0329, 0.3245,  
0.3472

■ 88.7152, 0.3996,  
0.4598

99.9905, 0.3127,  
0.3290

■ 87.3935, 0.4109,  
0.4755

■ 86.2223, 0.4196,  
0.4870

■ 85.1849, 0.4256,  
0.4940

■ 84.2585, 0.4290,  
0.4968

■ 84.0653, 0.4295,  
0.4972

# Harmonies

## Analogous

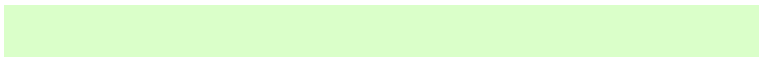
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7151, 0.3809, 0.3800



93.7151, 0.3559, 0.3953



93.7151, 0.3202, 0.3915

# Triad

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



93.7151, 0.3559, 0.3953



93.7151, 0.2436, 0.2979



93.7151, 0.3398, 0.2945

# Complementary

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



93.7151, 0.3559, 0.3953



53.3386, 0.2643, 0.2527

# 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.



93.7151, 0.3017, 0.2750



93.7151, 0.3559, 0.3953



93.7151, 0.2480, 0.2754

# Square

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



93.7151, 0.3559, 0.3953



93.7151, 0.2563, 0.3318



93.7151, 0.2685, 0.2679



93.7151, 0.3719, 0.3223

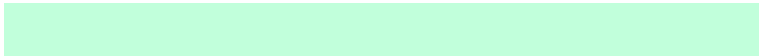


# Rectangle

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



93.7151, 0.3559, 0.3953



93.7151, 0.2954, 0.3774



93.7151, 0.2685, 0.2679



93.7151, 0.3272, 0.2869

# Sweetspot

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



93.7193, 0.3559, 0.3953



98.0367, 0.3247, 0.3476



59.1905, 0.3698, 0.3242



20.9082, 0.3271, 0.3512



0.0000, 0.0000, 0.0000

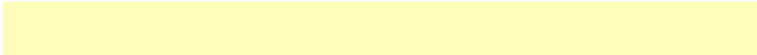


21.4041, 0.3127, 0.3290



# Same Dimension

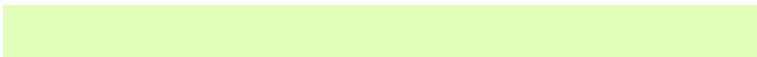
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.7193, 0.3559, 0.3953



92.7786, 0.3640, 0.4076



90.8281, 0.3343, 0.4038



20.9082, 0.3271, 0.3512



44.0200, 0.4293, 0.4973



4.3366, 0.4281, 0.4983



# Inverse Universe

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



53.3386, 0.2643, 0.2527



46.7191, 0.2538, 0.2360



55.9026, 0.2856, 0.2529



17.5390, 0.2978, 0.3058



4.0026, 0.1509, 0.0633



0.4439, 0.1531, 0.0710



# Previews

## White Background



This preview shows how the Yxy color 93.7151, 0.3559, 0.3953 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

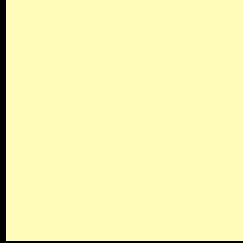
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.7151, 0.3559, 0.3953 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

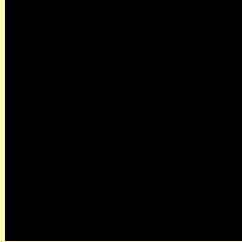
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.7151, 0.3559, 0.3953**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.7151, 0.3559, 0.3953.

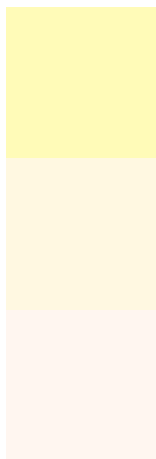


This preview shows how white text looks on a background with the Yxy color 93.7151, 0.3559, 0.3953.

# 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

93.7151, 0.3559, 0.3953

### Protanopia

93.8310, 0.3312, 0.3515

### Deuteranopia

93.4628, 0.3222, 0.3348



## Tritanopia

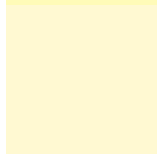
93.6567, 0.3144, 0.3213

# Trichromacy



## Original Color

93.7151, 0.3559, 0.3953



## Protanomaly

93.6645, 0.3403, 0.3675



## Deuteranomaly

93.5621, 0.3343, 0.3565



## Tritanomaly

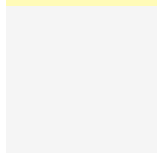
93.3830, 0.3294, 0.3476

# Monochromacy



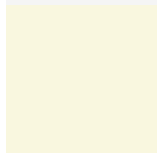
## Original Color

93.7151, 0.3559, 0.3953



## Achromatopsia

91.3099, 0.3127, 0.3290



## Achromatomaly

91.9890, 0.3285, 0.3529

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.7151, 0.3559, 0.3953 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 93.7151, 0.3559, 0.3953 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, 184) }
```

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

```
.border{ border-color:rgb(255, 251, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.7151, 0.3559, 0.3953 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, 184) }
```

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

```
.background{ background-color: rgb(255,  
251, 184) }
```

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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