

# Converting Colors

$Y_{xy}(158.1187, 0.3659, 0.4983)$

Have a look what the booklet for  
Yxy(158.1187, 0.3659, 0.4983)  
contains.

<b>Yxy(94.2101, 0.3884, 0.4541)</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(94.2101, 0.3884, 0.4541)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF7B
RGB	255, 255, 123
RGB Percent	100%, 100%, 48%
CMY	0.0000, 0.0000, 0.5176
CMYK	0.00, 0.00, 0.52, 0.00
HSL	60°, 100%, 74%
HSV	60°, 52%, 100%
XYZ	80.5796, 94.2101, 32.6758
YIQ	239.9520, 42.3720, -41.0520

# Conversions

## Conversions Part 2

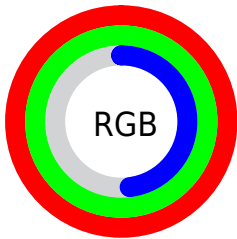
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 255, 123
Decimal	16777083
CIE <sub>Lab</sub>	97.72, -16.93, 62.16
CIE <sub>LCh</sub>	98, 64.427, 105.240
Yxy	94.2101, 0.3884, 0.4541
Android (android.graphics.Color)	4294967163 (0xFFFFFFFF7B)
YUV	239.9520, -57.6573, 13.1971
Hunter-Lab	97.0619, -21.6697, 47.9834

# Details

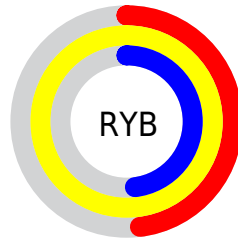
The Yxy color **94.2101, 0.3884, 0.4541** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **25.5976, 0.2125, 0.1634**, and the grayscale version is **87.5326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0347, 0.3579, 0.4037**, and **52.5413, 0.4006, 0.4784** is the 20% darker color. If you saturate the color by 10%, you get **93.6525, 0.3996, 0.4726**, and if you desaturate by 10%, it is **94.9341, 0.3753, 0.4324**.

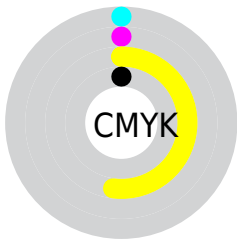
# Distribution



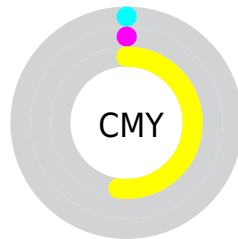
- Red (100%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (48%)



- Cyan (0%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (52%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.2101, 0.3884, 0.4541 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 94.2101, 0.3884, 0.4541 by changing the saturation by 10% instead.





 94.2101, 0.3884,  
0.4541


 94.2101, 0.3884,  
0.4541


541.6331, 0.3581,  
0.3994


 71.4777, 0.3939,  
0.4654


 153.1729, 0.3790,  
0.4360

 52.7321, 0.4000,  
0.4786


 190.1721, 0.3750,  
0.4287

 37.5890, 0.4066,  
0.4941


 232.6956, 0.3714,  
0.4223

 25.6638, 0.4132,  
0.5124

281.1280, 0.3682,  
0.4167

 16.5723, 0.4189,  
0.5335

335.8535, 0.3653,  
0.4116

 9.9300, 0.4259,  
0.5628


397.2566, 0.3627,

 5.3526, 0.4174,


0.4071


0.5826


465.7217, 0.3603,  
0.4031


 2.4556, 0.3959,  
0.6041


 0.8543, 0.3181,  
0.6819


 94.2101, 0.3884,  
0.4541


 94.2101, 0.3884,  
0.4541


 93.6525, 0.3996,  
0.4726


 94.9341, 0.3753,  
0.4324


 93.2479, 0.4084,  
0.4871


 95.8361, 0.3608,  
0.4086


 92.9812, 0.4145,  
0.4973

 96.9269, 0.3457,  
0.3835

 92.8342, 0.4180,  
0.5031

 98.2164, 0.3304,  
0.3582

 92.7800, 0.4193,  
0.5053

 99.7137, 0.3153,  
0.3333

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

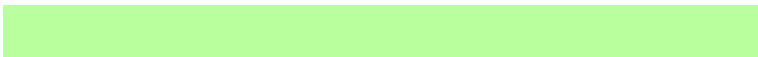
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2101, 0.4381, 0.4175



94.2101, 0.3884, 0.4541



94.2101, 0.3216, 0.4540

# Triad

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



94.2101, 0.3884, 0.4541



94.2101, 0.1892, 0.2665



94.2101, 0.3632, 0.2669

# Complementary

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



94.2101, 0.3884, 0.4541



25.5976, 0.2125, 0.1634

# 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.



94.2101, 0.2906, 0.2339



94.2101, 0.3884, 0.4541



94.2101, 0.1973, 0.2299

# Square

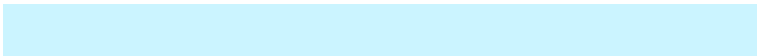
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.2101, 0.3884, 0.4541



94.2101, 0.2089, 0.3302



94.2101, 0.2318, 0.2203



94.2101, 0.4263, 0.3135



# Rectangle

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



94.2101, 0.3884, 0.4541



94.2101, 0.2765, 0.4260



94.2101, 0.2318, 0.2203



94.2101, 0.3387, 0.2541

# Sweetspot

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



94.2101, 0.3884, 0.4541



97.6453, 0.3368, 0.3689



36.8566, 0.4639, 0.3294



20.8435, 0.3400, 0.3741



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

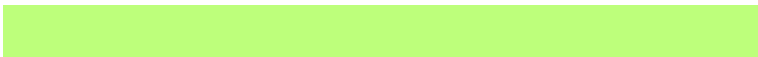
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.2101, 0.3884, 0.4541



93.6412, 0.3998, 0.4730



83.7691, 0.3431, 0.4764



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.



25.5976, 0.2125, 0.1634



18.2868, 0.1915, 0.1286



32.2055, 0.2610, 0.1822



17.3778, 0.2978, 0.3044



3.7726, 0.1500, 0.0600

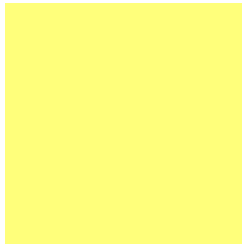


0.3673, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 94.2101, 0.3884, 0.4541 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

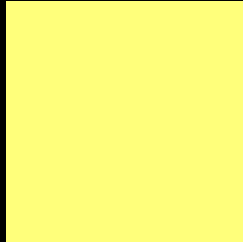
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.2101, 0.3884, 0.4541 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 94.2101, 0.3884, 0.4541**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.2101, 0.3884, 0.4541.



This preview shows how white text looks on a background with the Yxy color 94.2101, 0.3884, 0.4541.

# Color Blindness Simulation

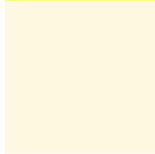
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



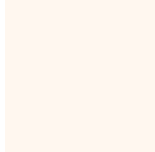
### Original Color

94.2101, 0.3884, 0.4541



### Protanopia

93.8310, 0.3312, 0.3515



### Deuteranopia

94.0135, 0.3227, 0.3368



## Tritanopia

94.1998, 0.3149, 0.3233

# Trichromacy



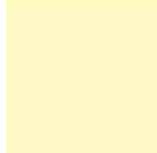
## Original Color

94.2101, 0.3884, 0.4541



## Protanomaly

93.8852, 0.3535, 0.3913



## Deuteranomaly

93.6624, 0.3482, 0.3814



## Tritanomaly

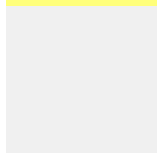
93.4191, 0.3434, 0.3725

# Monochromacy



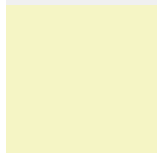
## Original Color

94.2101, 0.3884, 0.4541



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.7485, 0.3423, 0.3779

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.2101, 0.3884, 0.4541 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 123) }
```

## Border

The CSS property to change the border of an element to Yxy 94.2101, 0.3884, 0.4541 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, 123) }
```

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

```
.border{ border-color:rgb(255, 255, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
123) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.2101, 0.3884, 0.4541 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, 123) }
```

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

```
.background{ background-color: rgb(255,  
255, 123) }
```

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