

# Converting Colors

$Yxy(94.0671, 0.3912, 0.4587)$

Have a look what the booklet for  
Yxy(94.0671, 0.3912, 0.4587)  
contains.

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# **Color**

**Yxy(94.0644, 0.3912, 0.4588)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF75
RGB	255, 255, 117
RGB Percent	100%, 100%, 46%
CMY	0.0001, 0.0000, 0.5412
CMYK	0.00, 0.00, 0.54, 0.00
HSL	60°, 100%, 73%
HSV	60°, 54%, 100%
XYZ	80.2049, 94.0644, 30.7534
YIQ	239.2680, 44.2980, -42.9180

# Conversions

## Conversions Part 2

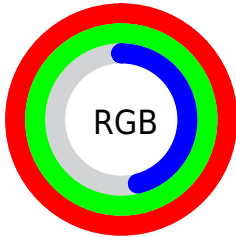
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	117, 255, 117
Decimal	16777077
CIE <sub>Lab</sub>	97.66, -17.42, 64.74
CIE <sub>LCh</sub>	98, 67.042, 105.058
Yxy	94.0644, 0.3912, 0.4588
Android (android.graphics.Color)	4294967157 (0xFFFFFFFF75)
YUV	239.2680, -60.2781, 13.7970
Hunter-Lab	96.9868, -22.1133, 49.0906

# Details

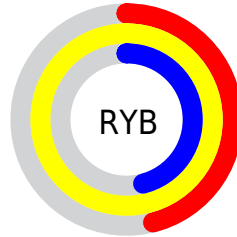
The Yxy color **94.0644, 0.3912, 0.4588** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **23.7219, 0.2075, 0.1551**, and the grayscale version is **86.9826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7971, 0.3614, 0.4095**, and **52.4609, 0.4037, 0.4835** is the 20% darker color. If you saturate the color by 10%, you get **93.5393, 0.4018, 0.4764**, and if you desaturate by 10%, it is **94.7446, 0.3785, 0.4378**.

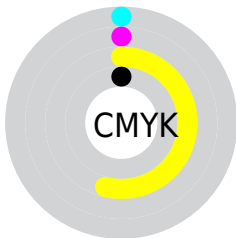
# Distribution



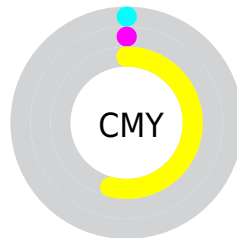
- Red (100%)
- Green (100%)
- Blue (46%)



- Red (46%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.0644, 0.3912, 0.4588 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 94.0644, 0.3912, 0.4588 by changing the saturation by 10% instead.




 94.0644, 0.3912,  
0.4588


 94.0644, 0.3912,  
0.4588


541.1654, 0.3600,  
0.4023


 71.3565, 0.3968,  
0.4704


 152.9714, 0.3816,  
0.4402

 52.6332, 0.4029,  
0.4838

 189.9393, 0.3775,  
0.4327

 37.5100, 0.4093,  
0.4996


 232.4294, 0.3738,  
0.4260

 25.6026, 0.4156,  
0.5179

280.8259, 0.3705,  
0.4202

 16.5266, 0.4207,  
0.5388

335.5134, 0.3675,  
0.4150

 9.8976, 0.4287,  
0.5705

396.8762, 0.3648,

 5.3311, 0.4153,

0.4103

0.5847

465.2988, 0.3623,  
0.4061

■ 2.4428, 0.3931,  
0.6069

■ 0.8478, 0.3098,  
0.6902

■ 94.0644, 0.3912,  
0.4588

■ 94.0644, 0.3912,  
0.4588

■ 93.5393, 0.4018,  
0.4764

■ 94.7446, 0.3785,  
0.4378

■ 93.1681, 0.4100,  
0.4899


■ 95.6043, 0.3643,  
0.4144


■ 92.9307, 0.4155,  
0.4990

■ 96.6504, 0.3493,  
0.3895

■ 92.8080, 0.4185,  
0.5039

■ 97.8928, 0.3340,  
0.3641

 92.7731, 0.4193,  
0.5053

 99.3410, 0.3188,  
0.3391

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

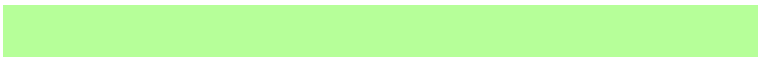
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.0644, 0.4429, 0.4199



94.0644, 0.3912, 0.4588



94.0644, 0.3219, 0.4598

# Triad

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



94.0644, 0.3912, 0.4588



94.0644, 0.1850, 0.2640



94.0644, 0.3647, 0.2644

# Complementary

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



94.0644, 0.3912, 0.4588



23.7219, 0.2075, 0.1551

# 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.



94.0644, 0.2891, 0.2305



94.0644, 0.3912, 0.4588



94.0644, 0.1932, 0.2263

# Square

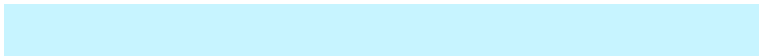
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.0644, 0.3912, 0.4588



94.0644, 0.2052, 0.3304



94.0644, 0.2285, 0.2165



94.0644, 0.4306, 0.3122



# Rectangle

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



94.0644, 0.3912, 0.4588



94.0644, 0.2752, 0.4308



94.0644, 0.2285, 0.2165



94.0644, 0.3391, 0.2512

# Sweetspot

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



94.0603, 0.3912, 0.4588



97.6442, 0.3368, 0.3689



35.2636, 0.4747, 0.3295



20.8433, 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.



94.0603, 0.3912, 0.4588



93.5010, 0.4027, 0.4778



83.2423, 0.3438, 0.4833



21.0907, 0.3269, 0.3525



48.4760, 0.4193, 0.5053



4.7200, 0.4193, 0.5053



# Inverse Universe

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



23.7219, 0.2075, 0.1551



16.5438, 0.1858, 0.1192



30.3778, 0.2579, 0.1754



17.3779, 0.2978, 0.3044



3.7728, 0.1500, 0.0600

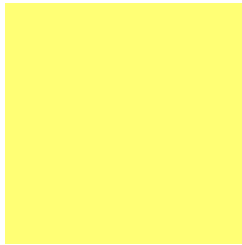


0.3674, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 94.0644, 0.3912, 0.4588 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

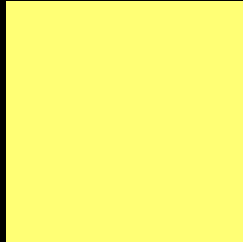
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.0644, 0.3912, 0.4588 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

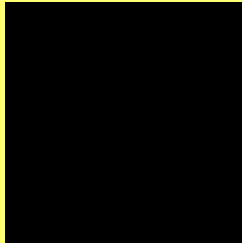
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.0644, 0.3912, 0.4588**

## Background



This preview shows how black text looks on a background with the Yxy color 94.0644, 0.3912, 0.4588.



This preview shows how white text looks on a background with the Yxy color 94.0644, 0.3912, 0.4588.

# Color Blindness Simulation

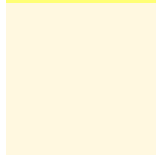
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



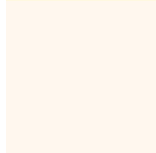
### Original Color

94.0644, 0.3912, 0.4588



### Protanopia

93.7766, 0.3318, 0.3525



### Deuteranopia

93.9546, 0.3233, 0.3378



## Tritanopia

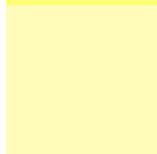
94.1366, 0.3155, 0.3242

# Trichromacy



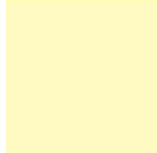
## Original Color

94.0644, 0.3912, 0.4588



## Protanomaly

93.7571, 0.3553, 0.3943



## Deuteranomaly

93.5263, 0.3500, 0.3844



## Tritanomaly

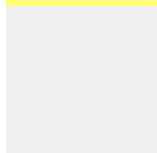
93.2756, 0.3453, 0.3755

# Monochromacy



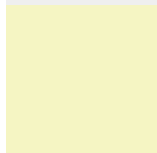
## Original Color

94.0644, 0.3912, 0.4588



## Achromatopsia

86.3157, 0.3127, 0.3290



## Achromatomaly

88.6574, 0.3435, 0.3800

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.0644, 0.3912, 0.4588 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, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 117)  
}
```

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, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 117) }
```

## Border

The CSS property to change the border of an element to Yxy 94.0644, 0.3912, 0.4588 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, 117) }
```

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

```
.border{ border-color:rgb(255, 255, 117) }
```

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, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
117) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.0644, 0.3912, 0.4588 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, 117) }
```

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

```
.background{ background-color: rgb(255,  
255, 117) }
```

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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