

# Converting Colors

$Y_{xy}(93.7153, 0.3983, 0.4704)$

Have a look what the booklet for  
Yxy(93.7153, 0.3983, 0.4704)  
contains.

<b>Yxy(93.7196, 0.3982, 0.4703)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

**Color**

**Yxy(93.7196, 0.3982, 0.4703)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF65
RGB	255, 255, 101
RGB Percent	100%, 100%, 40%
CMY	0.0000, 0.0000, 0.6041
CMYK	0.00, 0.00, 0.60, 0.00
HSL	60°, 100%, 70%
HSV	60°, 60%, 100%
XYZ	79.3518, 93.7196, 26.2048
YIQ	237.4440, 49.4340, -47.8940

# Conversions

## Conversions Part 2

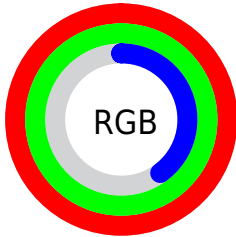
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	101, 255, 101
Decimal	16777061
CIE Lab	97.52, -18.50, 71.32
CIE LCh	98, 73.678, 104.541
Yxy	93.7196, 0.3982, 0.4703
Android (android.graphics.Color)	4294967141 (0xFFFFFFFF65)
YUV	237.4440, -67.2669, 15.3966
Hunter-Lab	96.8089, -23.1036, 51.7172

# Details

The Yxy color **93.7196, 0.3982, 0.4703** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **19.2810, 0.1946, 0.1337**, and the grayscale version is **85.5435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2143, 0.3706, 0.4247**, and **52.6090, 0.4091, 0.4967** is the 20% darker color. If you saturate the color by 10%, you get **93.2942, 0.4073, 0.4854**, and if you desaturate by 10%, it is **94.2980, 0.3867, 0.4513**.

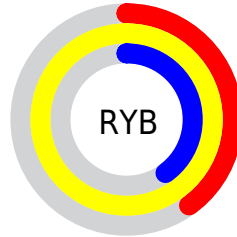
# Distribution



Red (100%)

Green (100%)

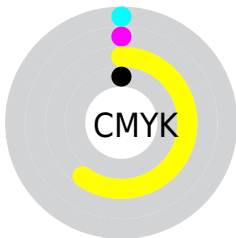
Blue (40%)



Red (40%)

Yellow (100%)

Blue (40%)

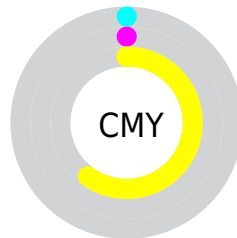


Cyan (0%)

Magenta (0%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (0%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.7196, 0.3982, 0.4703 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 93.7196, 0.3982, 0.4703 by changing the saturation by 10% instead.




 93.7196, 0.3982,  
0.4703


 93.7196, 0.3982,  
0.4703


540.0577, 0.3651,  
0.4094


 71.0698, 0.4039,  
0.4824

 152.4945, 0.3882,  
0.4505


 52.3991, 0.4098,  
0.4964


 189.3883, 0.3839,  
0.4424

 37.3233, 0.4158,  
0.5125


 231.7990, 0.3800,  
0.4353

 25.4579, 0.4211,  
0.5306

 280.1108, 0.3764,  
0.4289

 16.4185, 0.4244,  
0.5507

334.7082, 0.3732,  
0.4232

 9.8208, 0.4252,  
0.5748

395.9755, 0.3702,

 5.2803, 0.4104,

0.4182

0.5896

464.2973, 0.3675,  
0.4136

■ 2.4127, 0.3866,  
0.6134

■ 0.8324, 0.2897,  
0.7103

■ 93.7196, 0.3982,  
0.4703

■ 93.7196, 0.3982,  
0.4703

■ 93.2942, 0.4073,  
0.4854

■ 94.2980, 0.3867,  
0.4513

■ 93.0098, 0.4138,  
0.4962

■ 95.0453, 0.3734,  
0.4293

■ 92.8478, 0.4177,  
0.5025

■ 95.9722, 0.3588,  
0.4052

■ 92.7800, 0.4193,  
0.5053

■ 97.0893, 0.3436,  
0.3801

 98.4064, 0.3283,  
0.3548

99.9324, 0.3133,  
0.3300

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

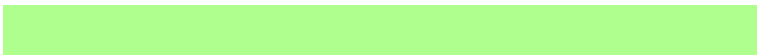
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7196, 0.4549, 0.4253



93.7196, 0.3982, 0.4703



93.7196, 0.3228, 0.4747

# Triad

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



93.7196, 0.3982, 0.4703



93.7196, 0.1745, 0.2580



93.7196, 0.3681, 0.2579

# Complementary

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



93.7196, 0.3982, 0.4703



19.2810, 0.1946, 0.1337

# 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.



93.7196, 0.2851, 0.2219



93.7196, 0.3982, 0.4703



93.7196, 0.1829, 0.2176

# Square

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



93.7196, 0.3982, 0.4703



93.7196, 0.1962, 0.3311



93.7196, 0.2201, 0.2071



93.7196, 0.4415, 0.3088



# Rectangle

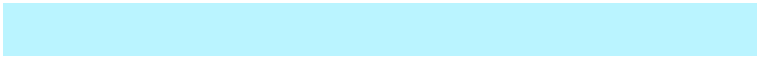
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.7196, 0.3982, 0.4703



93.7196, 0.2720, 0.4436



93.7196, 0.2201, 0.2071



93.7196, 0.3397, 0.2439

# Sweetspot

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



93.7186, 0.3982, 0.4703



97.3884, 0.3399, 0.3740



31.4959, 0.5047, 0.3296



20.7682, 0.3444, 0.3813



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.



93.7186, 0.3982, 0.4703



93.2401, 0.4085, 0.4874



81.9205, 0.3453, 0.5010



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.



19.2810, 0.1946, 0.1337



13.1323, 0.1739, 0.0995



25.9792, 0.2496, 0.1579



17.3778, 0.2978, 0.3044



3.7726, 0.1500, 0.0600

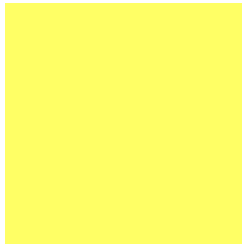


0.3673, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 93.7196, 0.3982, 0.4703 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

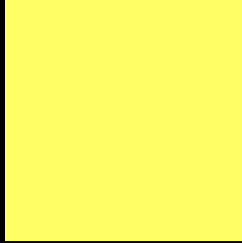
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.7196, 0.3982, 0.4703 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 93.7196, 0.3982, 0.4703**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.7196, 0.3982, 0.4703.



This preview shows how white text looks on a background with the Yxy color 93.7196, 0.3982, 0.4703.

# Color Blindness Simulation

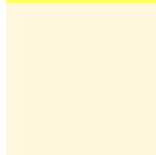
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



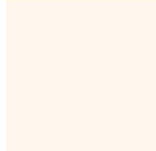
### Original Color

93.7196, 0.3982, 0.4703



### Protanopia

93.6687, 0.3330, 0.3545



### Deuteranopia

93.2860, 0.3240, 0.3378



## Tritanopia

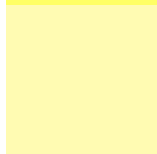
93.5299, 0.3156, 0.3232

# Trichromacy



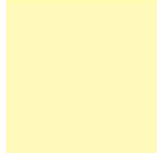
## Original Color

93.7196, 0.3982, 0.4703



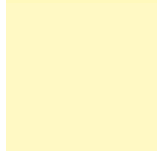
## Protanomaly

93.4687, 0.3596, 0.4012



## Deuteranomaly

92.6422, 0.3540, 0.3895



## Tritanomaly

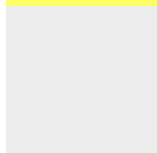
92.9969, 0.3490, 0.3815

# Monochromacy



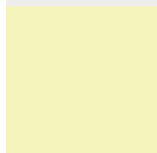
## Original Color

93.7196, 0.3982, 0.4703



## Achromatopsia

84.6873, 0.3127, 0.3290



## Achromatomaly

87.5653, 0.3474, 0.3864

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.7196, 0.3982, 0.4703 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 93.7196, 0.3982, 0.4703 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, 101) }
```

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

```
.border{ border-color:rgb(255, 255, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
101) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.7196, 0.3982, 0.4703 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, 101) }
```

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

```
.background{ background-color: rgb(255,  
255, 101) }
```

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