

# Converting Colors

$Yxy(94.4762, 0.3671, 0.4168)$

Have a look what the booklet for  
Yxy(94.4762, 0.3671, 0.4168)  
contains.

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# Color

**Yxy(94.1909, 0.3673, 0.4164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFDA4
RGB	255, 253, 164
RGB Percent	100%, 99%, 64%
CMY	0.0000, 0.0079, 0.3568
CMYK	0.00, 0.01, 0.36, 0.00
HSL	59°, 100%, 82%
HSV	59°, 36%, 100%
XYZ	83.0843, 94.1909, 48.9277
YIQ	243.4520, 29.7610, -27.2550

# Conversions

## Conversions Part 2

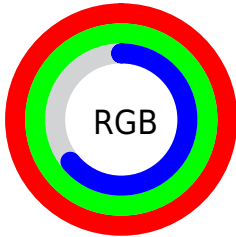
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	166, 255, 164
Decimal	16776612
CIE Lab	97.71, -12.05, 42.86
CIE LCh	98, 44.522, 105.701
Yxy	94.1909, 0.3673, 0.4164
Android (android.graphics.Color)	4294966692 (0xFFFFFDA4)
YUV	243.4520, -39.1698, 10.1276
Hunter-Lab	97.0520, -17.0306, 38.0460

# Details

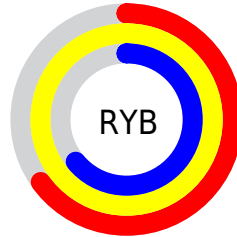
The Yxy color **94.1909, 0.3673, 0.4164** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.3951, 0.2478, 0.2235**, and the grayscale version is **90.3008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9473, 0.3333, 0.3631**, and **52.4979, 0.3775, 0.4342** is the 20% darker color. If you saturate the color by 10%, you get **92.9963, 0.3816, 0.4392**, and if you desaturate by 10%, it is **95.5553, 0.3520, 0.3921**.

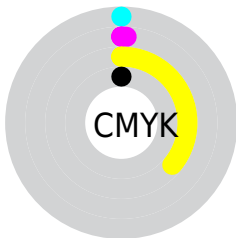
# Distribution



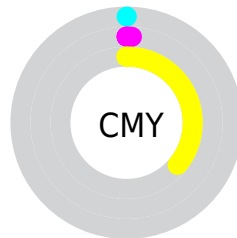
- Red (100%)
- Green (99%)
- Blue (64%)



- Red (65%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (1%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (1%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.1909, 0.3673, 0.4164 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 94.1909, 0.3673, 0.4164 by changing the saturation by 10% instead.




 94.1909, 0.3673,  
0.4164


 94.1909, 0.3673,  
0.4164


541.5715, 0.3443,  
0.3775

 71.4617, 0.3720,  
0.4248

 153.1463, 0.3598,  
0.4033

 52.7191, 0.3774,  
0.4348

 190.1414, 0.3567,  
0.3981

 37.5786, 0.3838,  
0.4471


232.6605, 0.3540,  
0.3936

 25.6558, 0.3912,  
0.4622

281.0882, 0.3516,  
0.3896

 16.5663, 0.3999,  
0.4813

335.8087, 0.3495,  
0.3860

 9.9258, 0.4092,  
0.5055

397.2065, 0.3476,

 5.3498, 0.4228,

0.3829

0.5424

465.6660, 0.3458,  
0.3801

■ 2.4539, 0.4230,  
0.5770

■ 0.8534, 0.3773,  
0.6227

■ 94.1909, 0.3673,  
0.4164

■ 94.1909, 0.3673,  
0.4164

■ 92.9963, 0.3816,  
0.4392

■ 95.5553, 0.3520,  
0.3921

■ 91.9844, 0.3946,  
0.4595

■ 97.1236, 0.3365,  
0.3672


■ 91.1348, 0.4054,  
0.4763


■ 98.8973, 0.3212,  
0.3426

■ 90.4337, 0.4138,  
0.4890

100.0000, 0.3127,  
0.3290

 89.8648, 0.4194,  
0.4972

 89.4080, 0.4225,  
0.5012

 89.2328, 0.4233,  
0.5021

# Harmonies

## Analogous

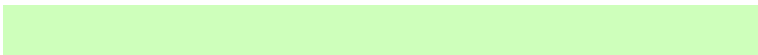
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.1909, 0.4011, 0.3949



94.1909, 0.3673, 0.4164



94.1909, 0.3203, 0.4123

# Triad

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



94.1909, 0.3673, 0.4164



94.1909, 0.2236, 0.2864



94.1909, 0.3491, 0.2852

# Complementary

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



94.1909, 0.3673, 0.4164



42.3951, 0.2478, 0.2235

# 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.



94.1909, 0.2989, 0.2603



94.1909, 0.3673, 0.4164



94.1909, 0.2297, 0.2587

# Square

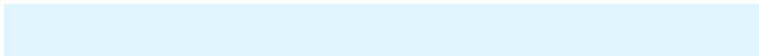
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.1909, 0.3673, 0.4164



94.1909, 0.2388, 0.3306



94.1909, 0.2560, 0.2505



94.1909, 0.3914, 0.3203

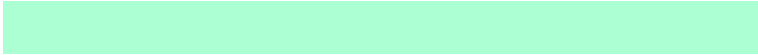


# Rectangle

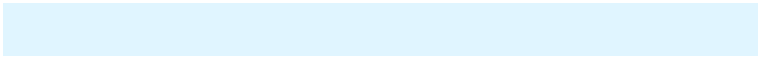
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



94.1909, 0.3673, 0.4164



94.1909, 0.2882, 0.3930



94.1909, 0.2560, 0.2505



94.1909, 0.3324, 0.2755

# Sweetspot

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



94.1830, 0.3673, 0.4164



97.9279, 0.3293, 0.3557



50.6066, 0.3962, 0.3261



20.9097, 0.3313, 0.3590



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

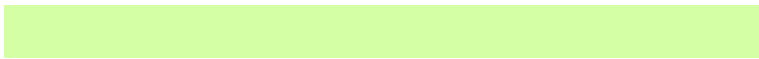
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.1830, 0.3673, 0.4164



93.2969, 0.3779, 0.4333



88.2780, 0.3378, 0.4274



21.0177, 0.3270, 0.3520



46.6573, 0.4232, 0.5022



4.5639, 0.4227, 0.5025



# Inverse Universe

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



42.3951, 0.2478, 0.2235



34.3812, 0.2321, 0.1978



46.9645, 0.2782, 0.2296



17.4421, 0.2978, 0.3050



3.8645, 0.1504, 0.0613

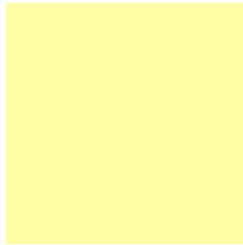


0.3979, 0.1513, 0.0645



# Previews

## White Background



This preview shows how the Yxy color 94.1909, 0.3673, 0.4164 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

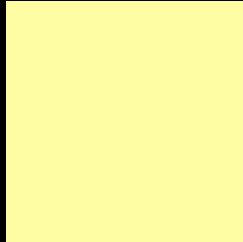
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.1909, 0.3673, 0.4164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

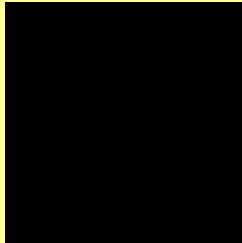
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.1909, 0.3673, 0.4164**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.1909, 0.3673, 0.4164.



This preview shows how white text looks on a background with the Yxy color 94.1909, 0.3673, 0.4164.

# Color Blindness Simulation

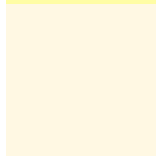
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



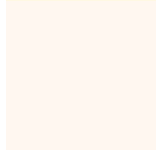
### Original Color

94.1909, 0.3673, 0.4164



### Protanopia

93.9409, 0.3300, 0.3496



### Deuteranopia

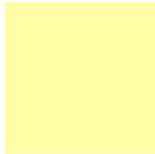
94.0728, 0.3221, 0.3358



## Tritanopia

94.2634, 0.3143, 0.3223

# Trichromacy



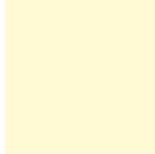
## Original Color

94.1909, 0.3673, 0.4164



## Protanomaly

93.9908, 0.3439, 0.3744



## Deuteranomaly

93.7648, 0.3391, 0.3655



## Tritanomaly

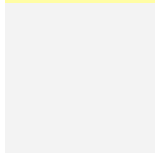
94.2318, 0.3335, 0.3565

# Monochromacy



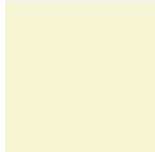
## Original Color

94.1909, 0.3673, 0.4164



## Achromatopsia

89.6269, 0.3127, 0.3290



## Achromatomaly

91.1507, 0.3328, 0.3621

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.1909, 0.3673, 0.4164 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, 253, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 164)  
}
```

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, 253, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 94.1909, 0.3673, 0.4164 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, 253, 164) }
```

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

```
.border{ border-color:rgb(255, 253, 164) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 253, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.1909, 0.3673, 0.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 164) }
```

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

```
.background{ background-color: rgb(255,  
253, 164) }
```

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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