

# Converting Colors

$Yxy(93.3656, 0.3676, 0.4152)$

Have a look what the booklet for  
Yxy(93.3656, 0.3676, 0.4152)  
contains.

<b>Yxy(93.5611, 0.3676, 0.4156)</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(93.5611, 0.3676, 0.4156)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFCA4
RGB	255, 252, 164
RGB Percent	100%, 99%, 64%
CMY	0.0000, 0.0118, 0.3570
CMYK	0.00, 0.01, 0.36, 0.00
HSL	58°, 100%, 82%
HSV	58°, 36%, 100%
XYZ	82.7552, 93.5611, 48.8067
YIQ	242.8650, 30.0360, -26.7320

# Conversions

## Conversions Part 2

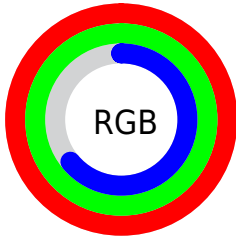
Format	Color
<b>RYB</b>	167, 255, 164
Decimal	16776356
CIELab	97.45, -11.59, 42.55
CIElCh	97, 44.098, 105.232
Yxy	93.5611, 0.3676, 0.4156
Android (android.graphics.Color)	4294966436 (0xFFFFFCA4)
YUV	242.8650, -38.8804, 10.6424
Hunter-Lab	96.7270, -16.5558, 37.7922

# Details

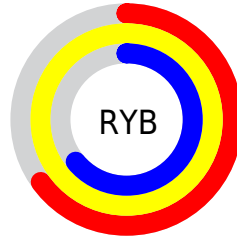
The Yxy color **93.5611, 0.3676, 0.4156** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.7379, 0.2479, 0.2246**, and the grayscale version is **89.8097, 0.3127, 0.3290**.

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 **92.2041, 0.3822, 0.4382**, and if you desaturate by 10%, it is **95.1054, 0.3522, 0.3915**.

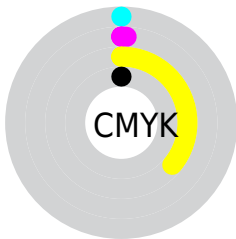
# Distribution



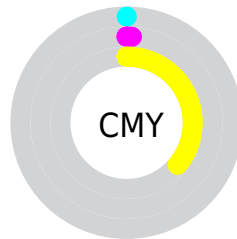
- Red (100%)
- Green (99%)
- Blue (64%)



- 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 93.5611, 0.3676, 0.4156 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 93.5611, 0.3676, 0.4156 by changing the saturation by 10% instead.





 93.5611, 0.3676,  
0.4156


 93.5611, 0.3676,  
0.4156


539.5482, 0.3444,  
0.3771

 70.9380, 0.3723,  
0.4239


 152.2752, 0.3600,  
0.4026

 52.2916, 0.3778,  
0.4339


 189.1350, 0.3569,  
0.3974

 37.2375, 0.3843,  
0.4460


231.5090, 0.3542,  
0.3929

 25.3915, 0.3919,  
0.4611

279.7818, 0.3518,  
0.3890

 16.3689, 0.4007,  
0.4800

334.3378, 0.3496,  
0.3855

 9.7856, 0.4104,  
0.5040

395.5612, 0.3477,

 5.2570, 0.4246,

0.3824

0.5410

463.8365, 0.3460,  
0.3796

■ 2.3989, 0.4251,  
0.5749

■ 0.8253, 0.3780,  
0.6220

■ 93.5611, 0.3676,  
0.4156

■ 93.5611, 0.3676,  
0.4156

■ 92.2041, 0.3822,  
0.4382

■ 95.1054, 0.3522,  
0.3915

■ 91.0229, 0.3953,  
0.4584

■ 96.8467, 0.3366,  
0.3669

■ 90.0053, 0.4065,  
0.4751

■ 98.7947, 0.3212,  
0.3425

■ 89.1375, 0.4151,  
0.4877

100.0000, 0.3127,  
0.3290

■ 88.4031, 0.4211,  
0.4958

■ 87.7821, 0.4244,  
0.4997

■ 87.5371, 0.4253,  
0.5005

# Harmonies

## Analogous

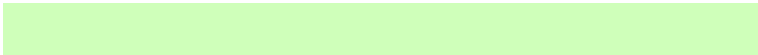
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5611, 0.4009, 0.3940



93.5611, 0.3676, 0.4156



93.5611, 0.3210, 0.4119

# Triad

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



93.5611, 0.3676, 0.4156



93.5611, 0.2243, 0.2873



93.5611, 0.3481, 0.2850

# Complementary

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



93.5611, 0.3676, 0.4156



42.7379, 0.2479, 0.2246

# 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.



93.5611, 0.2982, 0.2605



93.5611, 0.3676, 0.4156



93.5611, 0.2300, 0.2595

# Square

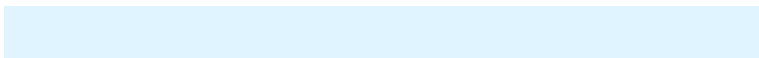
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.5611, 0.3676, 0.4156



93.5611, 0.2397, 0.3314



93.5611, 0.2559, 0.2510



93.5611, 0.3904, 0.3198

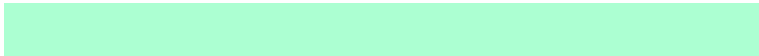


# Rectangle

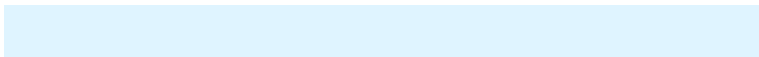
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.5611, 0.3676, 0.4156



93.5611, 0.2891, 0.3931



93.5611, 0.2559, 0.2510



93.5611, 0.3315, 0.2754

# Sweetspot

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



93.5612, 0.3676, 0.4156



97.7352, 0.3293, 0.3554



50.5926, 0.3963, 0.3260



20.8634, 0.3314, 0.3587



0.0000, 0.0000, 0.0000

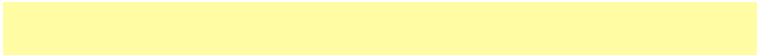


21.4041, 0.3127, 0.3290



# Same Dimension

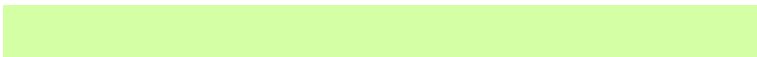
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.5612, 0.3676, 0.4156



92.5522, 0.3784, 0.4323



88.2742, 0.3378, 0.4275



20.9820, 0.3270, 0.3517



45.7858, 0.4252, 0.5006



4.4889, 0.4245, 0.5012



# Inverse Universe

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



42.7379, 0.2479, 0.2246



34.7545, 0.2323, 0.1992



46.9491, 0.2782, 0.2296



17.4736, 0.2978, 0.3052



3.9094, 0.1506, 0.0620

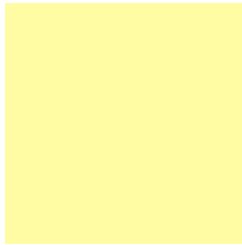


0.4129, 0.1519, 0.0666



# Previews

## White Background



This preview shows how the Yxy color 93.5611, 0.3676, 0.4156 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

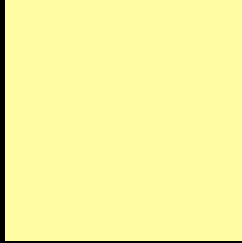
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.5611, 0.3676, 0.4156 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

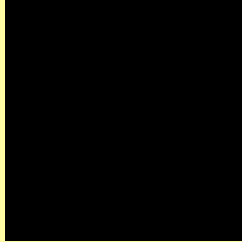
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.5611, 0.3676, 0.4156**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.5611, 0.3676, 0.4156.

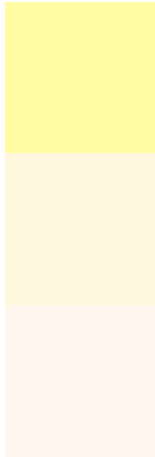


This preview shows how white text looks on a background with the Yxy color 93.5611, 0.3676, 0.4156.

# 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

93.5611, 0.3676, 0.4156

### Protanopia

93.7225, 0.3324, 0.3535

### Deuteranopia

93.3446, 0.3234, 0.3368



## Tritanopia

93.5931, 0.3150, 0.3223

# Trichromacy



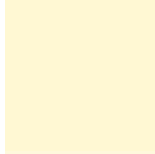
## Original Color

93.5611, 0.3676, 0.4156



## Protanomaly

93.2756, 0.3453, 0.3755



## Deuteranomaly

93.0980, 0.3399, 0.3655



## Tritanomaly

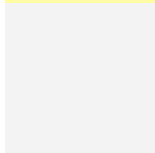
93.5621, 0.3343, 0.3565

# Monochromacy



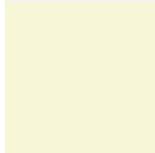
## Original Color

93.5611, 0.3676, 0.4156



## Achromatopsia

89.6269, 0.3127, 0.3290



## Achromatomaly

90.5407, 0.3329, 0.3612

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.5611, 0.3676, 0.4156 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, 252, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 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, 252, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 93.5611, 0.3676, 0.4156 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, 252, 164) }
```

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

```
.border{ border-color:rgb(255, 252, 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, 252, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.5611, 0.3676, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 164) }
```

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

```
.background{ background-color: rgb(255,  
252, 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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