

# Converting Colors

$Yxy(93.4560, 0.3668, 0.4306)$

Have a look what the booklet for  
Yxy(93.4560, 0.3668, 0.4306)  
contains.

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# **Color**

**Yxy(93.4127, 0.3666, 0.4307)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FF99
RGB	246, 255, 153
RGB Percent	96%, 100%, 60%
CMY	0.0353, 0.0000, 0.4001
CMYK	0.04, 0.00, 0.40, 0.00
HSL	65°, 100%, 80%
HSV	65°, 40%, 100%
XYZ	79.5103, 93.4127, 43.9627
YIQ	240.6810, 27.3780, -33.6300

# Conversions

## Conversions Part 2

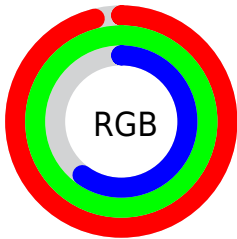
Format	Color
R <sub>Y</sub> B	153, 255, 162
Decimal	16187289
CIE Lab	97.39, -17.65, 47.69
CIE LCh	97, 50.848, 110.311
Yxy	93.4127, 0.3666, 0.4307
Android (android.graphics.Color)	4294377369 (0xFF6FF99)
YUV	240.6810, -43.2267, 4.6648
Hunter-Lab	96.6502, -22.2931, 40.6863

# Details

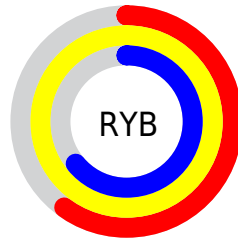
The Yxy color **93.4127, 0.3666, 0.4307** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.6724, 0.2442, 0.2075**, and the grayscale version is **88.0226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **51.9996, 0.3758, 0.4520** is the 20% darker color. If you saturate the color by 10%, you get **92.2503, 0.3784, 0.4542**, and if you desaturate by 10%, it is **94.7536, 0.3536, 0.4055**.

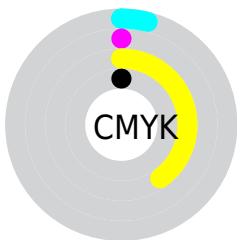
# Distribution



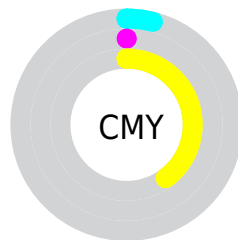
- Red (96%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (64%)



- Cyan (4%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.4127, 0.3666, 0.4307 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 93.4127, 0.3666, 0.4307 by changing the saturation by 10% instead.





 93.4127, 0.3666,  
0.4307

 93.4127, 0.3666,  
0.4307


539.0708, 0.3444,  
0.3851

 70.8146, 0.3709,  
0.4405


 152.0699, 0.3595,  
0.4153

 52.1909, 0.3759,  
0.4524


 188.8977, 0.3565,  
0.4092

 37.1573, 0.3815,  
0.4668


231.2375, 0.3539,  
0.4039

 25.3293, 0.3877,  
0.4846

279.4738, 0.3516,  
0.3992

 16.3225, 0.3943,  
0.5068

333.9908, 0.3495,  
0.3951

 9.7527, 0.4001,  
0.5347

395.1731, 0.3476,

 5.2353, 0.4138,

0.3914

0.5862

463.4050, 0.3459,  
0.3881

■ 2.3860, 0.3910,  
0.6090

■ 0.8187, 0.2978,  
0.7022

■ 93.4127, 0.3666,  
0.4307

■ 93.4127, 0.3666,  
0.4307

■ 92.2503, 0.3784,  
0.4542

■ 94.7536, 0.3536,  
0.4055

■ 91.2645, 0.3883,  
0.4751

■ 96.2933, 0.3400,  
0.3796

■ 90.4391, 0.3960,  
0.4922

■ 98.0383, 0.3262,  
0.3539

■ 89.7593, 0.4010,  
0.5050

99.9976, 0.3127,  
0.3290

■ 89.2075, 0.4034,  
0.5133

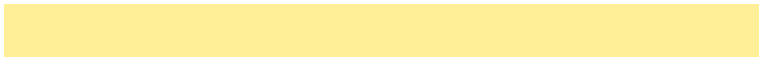
100.0000, 0.3127,  
0.3290

■ 88.7553, 0.4036,  
0.5177

# Harmonies

## Analogous

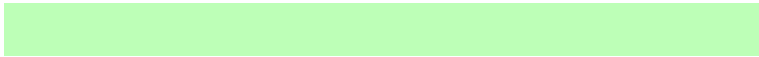
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4127, 0.4088, 0.4083



93.4127, 0.3666, 0.4307



93.4127, 0.3120, 0.4217

# Triad

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



93.4127, 0.3666, 0.4307



93.4127, 0.2116, 0.2736



93.4127, 0.3627, 0.2847

# Complementary

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



93.4127, 0.3666, 0.4307



37.6724, 0.2442, 0.2075

# 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.



93.4127, 0.3052, 0.2548



93.4127, 0.3666, 0.4307



93.4127, 0.2220, 0.2463

# Square

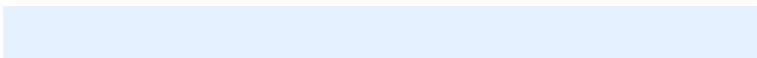
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.4127, 0.3666, 0.4307



93.4127, 0.2246, 0.3216



93.4127, 0.2546, 0.2408



93.4127, 0.4085, 0.3251

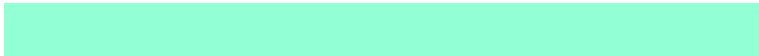


# Rectangle

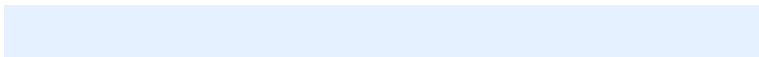
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.4127, 0.3666, 0.4307



93.4127, 0.2763, 0.3961



93.4127, 0.2546, 0.2408



93.4127, 0.3438, 0.2733

# Sweetspot

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



93.4095, 0.3666, 0.4307



97.6745, 0.3290, 0.3589



49.2143, 0.4111, 0.3382



20.8562, 0.3308, 0.3623



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

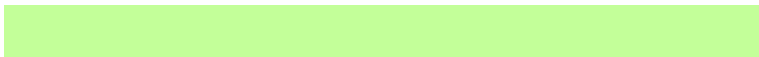
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.4095, 0.3666, 0.4307



92.4691, 0.3761, 0.4497



85.4854, 0.3325, 0.4432



21.0044, 0.3255, 0.3526



46.4104, 0.4039, 0.5175



4.5418, 0.4058, 0.5160



# Inverse Universe

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



37.6724, 0.2442, 0.2075



29.7622, 0.2277, 0.1794



44.0624, 0.2824, 0.2193



17.4544, 0.2992, 0.3045



3.8908, 0.1528, 0.0615

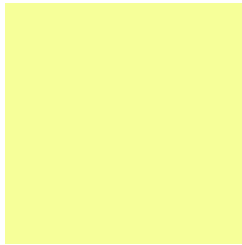


0.4037, 0.1587, 0.0648



# Previews

## White Background



This preview shows how the Yxy color 93.4127, 0.3666, 0.4307 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

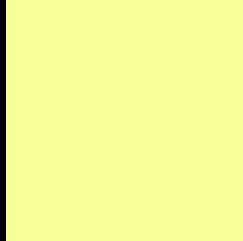
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.4127, 0.3666, 0.4307 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

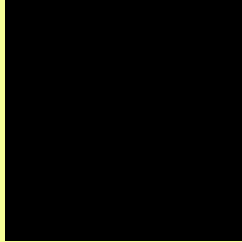
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.4127, 0.3666, 0.4307**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.4127, 0.3666, 0.4307.



This preview shows how white text looks on a background with the Yxy color 93.4127, 0.3666, 0.4307.

# Color Blindness Simulation

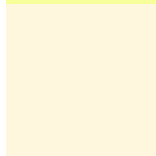
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



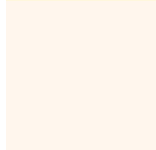
### Original Color

93.4127, 0.3666, 0.4307



### Protanopia

93.0020, 0.3338, 0.3546



### Deuteranopia

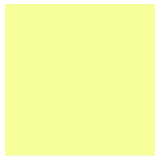
93.2860, 0.3240, 0.3378



## Tritanopia

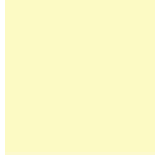
92.9922, 0.3126, 0.3185

# Trichromacy



## Original Color

93.4127, 0.3666, 0.4307



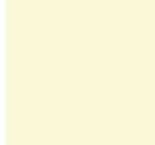
## Protanomaly

93.0522, 0.3468, 0.3828



## Deuteranomaly

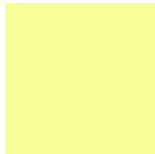
92.9030, 0.3408, 0.3718



## Tritanomaly

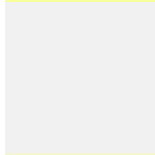
92.7060, 0.3328, 0.3588

# Monochromacy



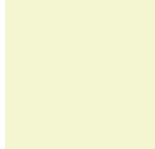
## Original Color

93.4127, 0.3666, 0.4307



## Achromatopsia

87.9622, 0.3127, 0.3290



## Achromatomaly

89.5697, 0.3333, 0.3666

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.4127, 0.3666, 0.4307 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(246, 255, 153)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 153)  
}
```

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(246, 255, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 93.4127, 0.3666, 0.4307 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(246, 255, 153) }
```

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

```
.border{ border-color:rgb(246, 255, 153) }
```

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

Here you see how a box with a 4 pixel rgb(246, 255, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.4127, 0.3666, 0.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 153) }
```

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

```
.background{ background-color: rgb(246,  
255, 153) }
```

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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