

# Converting Colors

$Y_{xy}(99.2773, 0.3957, 0.4191)$

Have a look what the booklet for  
Yxy(99.2773, 0.3957, 0.4191)  
contains.

<b>Yxy(93.1478, 0.3744, 0.4268)</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(93.1478, 0.3744, 0.4268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFC98
RGB	255, 252, 152
RGB Percent	100%, 99%, 60%
CMY	0.0001, 0.0117, 0.4038
CMYK	0.00, 0.01, 0.40, 0.00
HSL	58°, 100%, 80%
HSV	58°, 40%, 100%
XYZ	81.7117, 93.1478, 43.3875
YIQ	241.4970, 33.8880, -30.4640

# Conversions

## Conversions Part 2

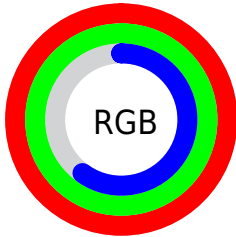
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 255, 152
Decimal	16776344
CIE Lab	97.29, -12.88, 48.15
CIE LCh	97, 49.842, 104.976
Yxy	93.1478, 0.3744, 0.4268
Android (android.graphics.Color)	4294966424 (0xFFFFFC98)
YUV	241.4970, -44.1220, 11.8421
Hunter-Lab	96.5131, -17.7731, 40.9053

# Details

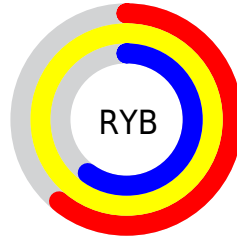
The Yxy color **93.1478, 0.3744, 0.4268** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.3326, 0.2379, 0.2079**, and the grayscale version is **88.7112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **52.2510, 0.3855, 0.4474** is the 20% darker color. If you saturate the color by 10%, you get **91.9450, 0.3883, 0.4485**, and if you desaturate by 10%, it is **94.5405, 0.3594, 0.4032**.

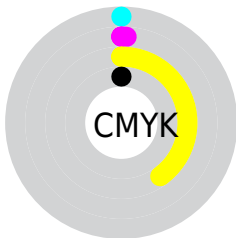
# Distribution



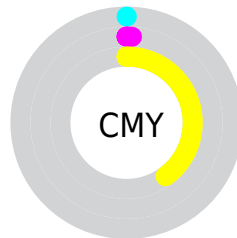
- Red (100%)
- Green (99%)
- Blue (60%)



- Red (61%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (1%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (1%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.1478, 0.3744, 0.4268 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 93.1478, 0.3744, 0.4268 by changing the saturation by 10% instead.




 93.1478, 0.3744,  
0.4268

 93.1478, 0.3744,  
0.4268


538.2182, 0.3486,  
0.3834

 70.5944, 0.3795,  
0.4361


 151.7032, 0.3661,  
0.4122

 52.0112, 0.3854,  
0.4471


 188.4740, 0.3626,  
0.4064

 37.0140, 0.3923,  
0.4605


230.7526, 0.3596,  
0.4014

 25.2183, 0.4000,  
0.4769

278.9236, 0.3569,  
0.3969

 16.2398, 0.4086,  
0.4970

333.3712, 0.3545,  
0.3930

 9.6940, 0.4170,  
0.5217

394.4800, 0.3523,

 5.1965, 0.4340,

0.3894

0.5660

462.6341, 0.3504,  
0.3863

■ 2.3630, 0.4175,  
0.5825

■ 0.8068, 0.3593,  
0.6407

■ 93.1478, 0.3744,  
0.4268

■ 93.1478, 0.3744,  
0.4268

■ 91.9450, 0.3883,  
0.4485

■ 94.5405, 0.3594,  
0.4032

■ 90.9076, 0.4005,  
0.4671

■ 96.1209, 0.3438,  
0.3786

■ 90.0270, 0.4104,  
0.4820

■ 97.9029, 0.3283,  
0.3539

■ 89.2883, 0.4177,  
0.4926

99.8958, 0.3133,  
0.3299

■ 88.6737, 0.4222,  
0.4987

99.9947, 0.3127,  
0.3290

■ 88.1719, 0.4245,  
0.5011

# Harmonies

## Analogous

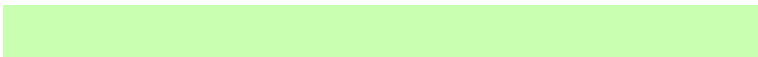
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.1478, 0.4122, 0.4010



93.1478, 0.3744, 0.4268



93.1478, 0.3219, 0.4240

# Triad

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



93.1478, 0.3744, 0.4268



93.1478, 0.2138, 0.2817



93.1478, 0.3520, 0.2794

# Complementary

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



93.1478, 0.3744, 0.4268



37.3326, 0.2379, 0.2079

# 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.



93.1478, 0.2956, 0.2524



93.1478, 0.3744, 0.4268



93.1478, 0.2200, 0.2509

# Square

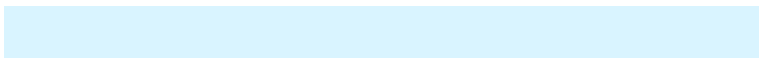
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.1478, 0.3744, 0.4268



93.1478, 0.2309, 0.3317



93.1478, 0.2484, 0.2417

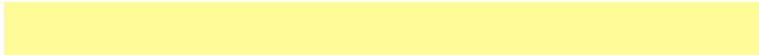


93.1478, 0.4004, 0.3177

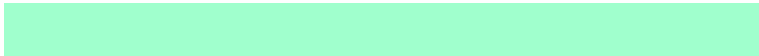


# Rectangle

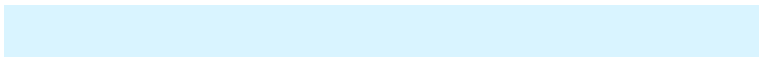
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.1478, 0.3744, 0.4268



93.1478, 0.2861, 0.4027



93.1478, 0.2484, 0.2417



93.1478, 0.3331, 0.2688

# Sweetspot

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



93.1521, 0.3744, 0.4268



97.6239, 0.3308, 0.3579



46.1008, 0.4127, 0.3257



20.8441, 0.3328, 0.3611



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

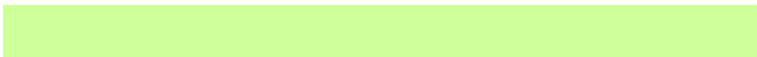
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.1521, 0.3744, 0.4268



92.2390, 0.3851, 0.4435



87.0252, 0.3405, 0.4415



20.9959, 0.3270, 0.3518



46.1234, 0.4244, 0.5012



4.5180, 0.4238, 0.5017



# Inverse Universe

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



37.3326, 0.2379, 0.2079



29.8153, 0.2214, 0.1810



41.9710, 0.2724, 0.2153



17.4613, 0.2978, 0.3051



3.8919, 0.1505, 0.0617

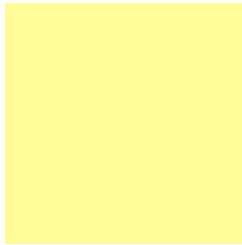


0.4071, 0.1516, 0.0658



# Previews

## White Background



This preview shows how the Yxy color 93.1478, 0.3744, 0.4268 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

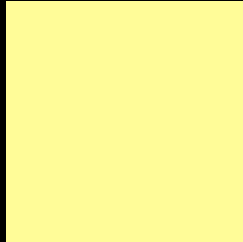
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.1478, 0.3744, 0.4268 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

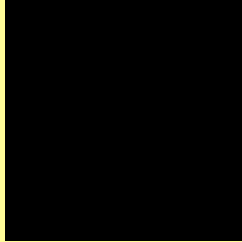
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 93.1478, 0.3744, 0.4268**

## Background



This preview shows how black text looks on a background with the Yxy color 93.1478, 0.3744, 0.4268.

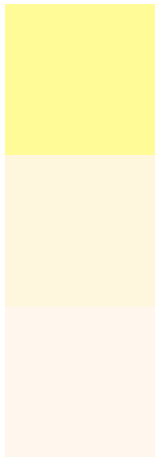


This preview shows how white text looks on a background with the Yxy color 93.1478, 0.3744, 0.4268.

# 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

93.1478, 0.3744, 0.4268

### Protanopia

93.0020, 0.3338, 0.3546

### Deuteranopia

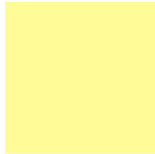
93.2860, 0.3240, 0.3378



## Tritanopia

92.9264, 0.3156, 0.3223

# Trichromacy



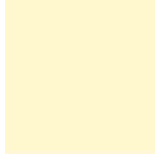
## Original Color

93.1478, 0.3744, 0.4268



## Protanomaly

92.9969, 0.3490, 0.3815



## Deuteranomaly

92.8510, 0.3430, 0.3705



## Tritanomaly

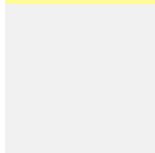
92.6878, 0.3375, 0.3606

# Monochromacy



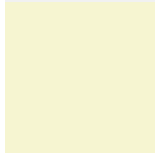
## Original Color

93.1478, 0.3744, 0.4268



## Achromatopsia

87.9622, 0.3127, 0.3290



## Achromatomaly

89.5011, 0.3355, 0.3654

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.1478, 0.3744, 0.4268 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 93.1478, 0.3744, 0.4268 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, 152) }
```

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

```
.border{ border-color:rgb(255, 252, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.1478, 0.3744, 0.4268 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, 152) }
```

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

```
.background{ background-color: rgb(255,  
252, 152) }
```

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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