

# Converting Colors

$Y_{xy}(93.1421, 0.4108, 0.4911)$

Have a look what the booklet for  
Yxy(93.1421, 0.4108, 0.4911)  
contains.

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# **Color**

**Yxy(93.1389, 0.4108, 0.4912)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFF3F
RGB	255, 255, 63
RGB Percent	100%, 100%, 25%
CMY	0.0001, 0.0000, 0.7527
CMYK	0.00, 0.00, 0.75, 0.00
HSL	60°, 100%, 62%
HSV	60°, 75%, 100%
XYZ	77.8939, 93.1389, 18.5823
YIQ	233.1120, 61.6320, -59.7120

# Conversions

## Conversions Part 2

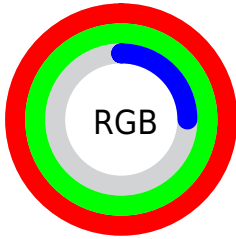
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">63, 255, 63</a>
Decimal	<a href="#">16777023</a>
CIELab	<a href="#">97.28, -20.39, 84.38</a>
CIELCh	<a href="#">97, 86.808, 103.583</a>
Yxy	<a href="#">93.1389, 0.4108, 0.4912</a>
Android (android.graphics.Color)	<a href="#">4294967103</a> ( <a href="#">0xFFFFFFFF3F</a> )
YUV	<a href="#">233.1120, -83.8652, 19.1958</a>
Hunter-Lab	<a href="#">96.5085, -24.8191, 56.1399</a>

# Details

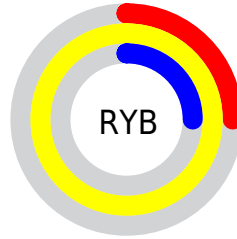
The Yxy color **93.1389, 0.4108, 0.4912** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **11.8408, 0.1690, 0.0915**, and the grayscale version is **82.1841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2607, 0.3874, 0.4525**, and **52.3162, 0.4149, 0.5087** is the 20% darker color. If you saturate the color by 10%, you get **92.9134, 0.4160, 0.4998**, and if you desaturate by 10%, it is **93.4910, 0.4029, 0.4782**.

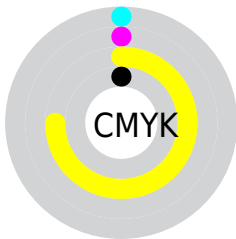
# Distribution



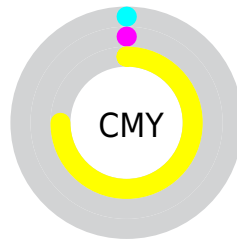
- Red (100%)
- Green (100%)
- Blue (25%)



- Red (25%)
- Yellow (100%)
- Blue (25%)



- Cyan (0%)
- Magenta (0%)
- Yellow (75%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.1389, 0.4108, 0.4912 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 93.1389, 0.4108, 0.4912 by changing the saturation by 10% instead.





 93.1389, 0.4108,  
0.4912

 93.1389, 0.4108,  
0.4912


538.1896, 0.3749,  
0.4233

 70.5870, 0.4161,  
0.5039


 151.6909, 0.4006,  
0.4698


 52.0052, 0.4213,  
0.5181


 188.4597, 0.3960,  
0.4608

 37.0092, 0.4256,  
0.5336


 230.7364, 0.3917,  
0.4528

 25.2146, 0.4280,  
0.5501

 278.9051, 0.3878,  
0.4456

 16.2370, 0.4295,  
0.5705

 333.3504, 0.3842,  
0.4392

 9.6920, 0.4183,  
0.5817


394.4567, 0.3808,


 5.1953, 0.4018,


0.4334


0.5982


462.6082, 0.3778,  
0.4281


 2.3623, 0.3750,  
0.6250


 0.8064, 0.2500,  
0.7500


 93.1389, 0.4108,  
0.4912

 93.1389, 0.4108,  
0.4912


 92.9134, 0.4160,  
0.4998

 93.4910, 0.4029,  
0.4782


 92.8025, 0.4187,  
0.5042

 93.9938, 0.3925,  
0.4610


 92.7756, 0.4193,  
0.5053

 94.6585, 0.3801,  
0.4404

 95.4972, 0.3660,  
0.4171

 96.5211, 0.3510,  
0.3924

 97.7403, 0.3357,  
0.3670

 99.1641, 0.3205,  
0.3419

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.



93.1389, 0.4773, 0.4335



93.1389, 0.4108, 0.4912



93.1389, 0.3240, 0.5047

# Triad

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



93.1389, 0.4108, 0.4912



93.1389, 0.1550, 0.2465



93.1389, 0.3739, 0.2453

# Complementary

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



93.1389, 0.4108, 0.4912



11.8408, 0.1690, 0.0915

# 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.



93.1389, 0.2767, 0.2058



93.1389, 0.4108, 0.4912



93.1389, 0.1637, 0.2011

# Square

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



93.1389, 0.4108, 0.4912



93.1389, 0.1791, 0.3328



93.1389, 0.2038, 0.1897



93.1389, 0.4625, 0.3016



# Rectangle

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



93.1389, 0.4108, 0.4912



93.1389, 0.2656, 0.4701



93.1389, 0.2038, 0.1897



93.1389, 0.3402, 0.2298

# Sweetspot

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



93.1363, 0.4108, 0.4912



96.7805, 0.3476, 0.3866



25.1811, 0.5752, 0.3298



20.6277, 0.3531, 0.3958



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.



93.1363, 0.4108, 0.4912



92.8484, 0.4176, 0.5024



79.2535, 0.3454, 0.5372



21.0907, 0.3269, 0.3525



48.4773, 0.4193, 0.5053



4.7201, 0.4193, 0.5053



# Inverse Universe

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



11.8408, 0.1690, 0.0915



8.1502, 0.1541, 0.0667



18.1555, 0.2297, 0.1222



17.3779, 0.2978, 0.3044



3.7727, 0.1500, 0.0600

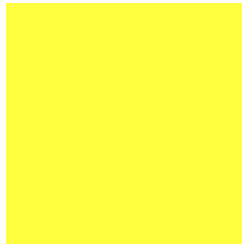


0.3674, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 93.1389, 0.4108, 0.4912 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

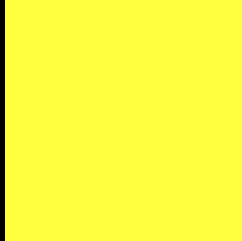
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.1389, 0.4108, 0.4912 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 93.1389, 0.4108, 0.4912**

## Background



This preview shows how black text looks on a background with the Yxy color 93.1389, 0.4108, 0.4912.



This preview shows how white text looks on a background with the Yxy color 93.1389, 0.4108, 0.4912.

# 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



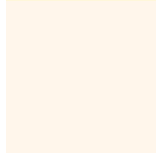
### Original Color

93.1389, 0.4108, 0.4912



### Protanopia

92.8435, 0.3357, 0.3576



### Deuteranopia

93.1697, 0.3252, 0.3397



## Tritanopia

92.8635, 0.3162, 0.3232

# Trichromacy



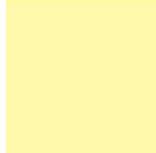
## Original Color

93.1389, 0.4108, 0.4912



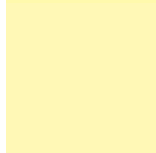
## Protanomaly

92.2398, 0.3694, 0.4158



## Deuteranomaly

91.9899, 0.3637, 0.4053



## Tritanomaly

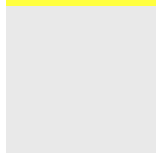
91.7722, 0.3579, 0.3945

# Monochromacy



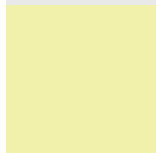
## Original Color

93.1389, 0.4108, 0.4912



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

84.5516, 0.3566, 0.4016

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.1389, 0.4108, 0.4912 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, 63)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 63)  
}
```

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, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 63) }
```

## Border

The CSS property to change the border of an element to Yxy 93.1389, 0.4108, 0.4912 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, 63) }
```

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

```
.border{ border-color:rgb(255, 255, 63) }
```

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, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 63);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
63) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.1389, 0.4108, 0.4912 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, 63) }
```

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

```
.background{ background-color: rgb(255,  
255, 63) }
```

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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