

# Converting Colors

$Yxy(93.1075, 0.4081, 0.4877)$

Have a look what the booklet for  
Yxy(93.1075, 0.4081, 0.4877)  
contains.

<b>Yxy(93.0458, 0.4079, 0.4881)</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(93.0458, 0.4079, 0.4881)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFF47
RGB	254, 255, 71
RGB Percent	100%, 100%, 28%
CMY	0.0041, 0.0000, 0.7215
CMYK	0.00, 0.00, 0.72, 0.00
HSL	60°, 100%, 64%
HSV	60°, 72%, 100%
XYZ	77.7574, 93.0458, 19.8254
YIQ	233.7250, 58.4680, -57.4360

# Conversions

## Conversions Part 2

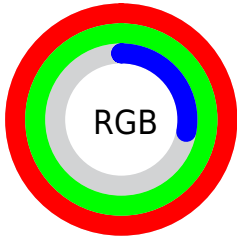
Format	Color
<a href="#">RYB</a>	<a href="#">71, 255, 72</a>
Decimal	<a href="#">16711495</a>
CIELab	<a href="#">97.25, -20.50, 81.89</a>
CIELCh	<a href="#">97, 84.421, 104.052</a>
Yxy	<a href="#">93.0458, 0.4079, 0.4881</a>
Android (android.graphics.Color)	<a href="#">4294901575 (0xFFFEFF47)</a>
YUV	<a href="#">233.7250, -80.2234, 17.7812</a>
Hunter-Lab	<a href="#">96.4603, -24.9151, 55.3364</a>

# Details

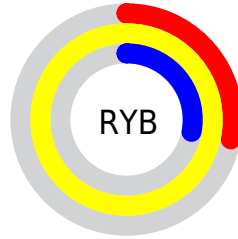
The Yxy color **93.0458, 0.4079, 0.4881** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **13.1100, 0.1741, 0.0993**, and the grayscale version is **82.6353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4187, 0.3845, 0.4476**, and **52.1843, 0.4141, 0.5094** is the 20% darker color. If you saturate the color by 10%, you get **92.7474, 0.4138, 0.4982**, and if you desaturate by 10%, it is **93.4630, 0.3993, 0.4736**.

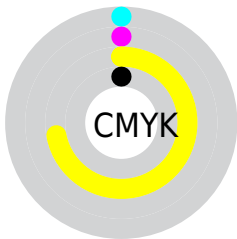
# Distribution



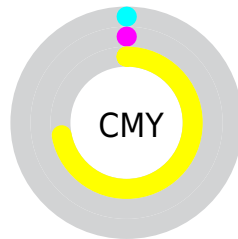
- Red (100%)
- Green (100%)
- Blue (28%)



- Red (28%)
- Yellow (100%)
- Blue (28%)



- Cyan (0%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 93.0458, 0.4079, 0.4881 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 93.0458, 0.4079, 0.4881 by changing the saturation by 10% instead.





 93.0458, 0.4079,  
0.4881


 93.0458, 0.4079,  
0.4881


537.8897, 0.3727,  
0.4210

 70.5096, 0.4133,  
0.5009


 151.5620, 0.3978,  
0.4668

 51.9421, 0.4185,  
0.5152


 188.3108, 0.3933,  
0.4579


 36.9589, 0.4231,  
0.5311


 230.5659, 0.3891,  
0.4499

 25.1757, 0.4260,  
0.5481

 278.7117, 0.3852,  
0.4429

 16.2080, 0.4292,  
0.5708

 333.1326, 0.3817,  
0.4366

 9.6714, 0.4179,  
0.5821


394.2129, 0.3784,


 5.1817, 0.4012,


0.4308


0.5988

462.3372, 0.3755,  
0.4257


 2.3542, 0.3743,  
0.6257


 0.8022, 0.2462,  
0.7538


 93.0458, 0.4079,  
0.4881


 93.0458, 0.4079,  
0.4881


 92.7474, 0.4138,  
0.4982


 93.4630, 0.3993,  
0.4736


 92.5771, 0.4172,  
0.5039

 94.0420, 0.3883,  
0.4551

 92.5050, 0.4183,  
0.5061

 94.7869, 0.3754,  
0.4335

 95.7094, 0.3611,  
0.4096

 96.8203, 0.3461,  
0.3845

 98.1296, 0.3308,  
0.3591

 99.6463, 0.3159,  
0.3342

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.



93.0458, 0.4730, 0.4330



93.0458, 0.4079, 0.4881



93.0458, 0.3230, 0.4991

# Triad

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



93.0458, 0.4079, 0.4881



93.0458, 0.1582, 0.2479



93.0458, 0.3739, 0.2480

# Complementary

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



93.0458, 0.4079, 0.4881



13.1100, 0.1741, 0.0993

# 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.



93.0458, 0.2791, 0.2088



93.0458, 0.4079, 0.4881



93.0458, 0.1672, 0.2036

# Square

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



93.0458, 0.4079, 0.4881



93.0458, 0.1816, 0.3315



93.0458, 0.2072, 0.1927



93.0458, 0.4595, 0.3036



# Rectangle

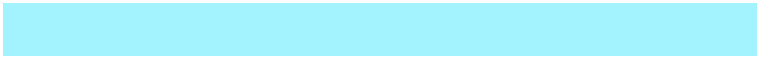
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.0458, 0.4079, 0.4881



93.0458, 0.2659, 0.4645



93.0458, 0.2072, 0.1927



93.0458, 0.3412, 0.2327

# Sweetspot

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



93.0366, 0.4079, 0.4881



96.8382, 0.3458, 0.3841



26.2247, 0.5612, 0.3297



20.6586, 0.3500, 0.3910



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.



93.0366, 0.4079, 0.4881



92.6513, 0.4158, 0.5015



79.7630, 0.3458, 0.5304



21.0852, 0.3268, 0.3525



48.3383, 0.4183, 0.5060



4.7082, 0.4185, 0.5059



# Inverse Universe

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



13.1100, 0.1741, 0.0993



8.6633, 0.1564, 0.0703



19.5172, 0.2338, 0.1289



17.3827, 0.2979, 0.3044



3.7797, 0.1502, 0.0601

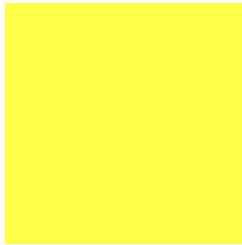


0.3697, 0.1506, 0.0603



# Previews

## White Background



This preview shows how the Yxy color 93.0458, 0.4079, 0.4881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

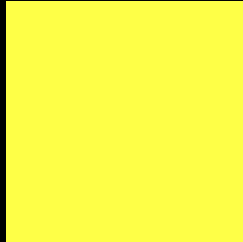
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 93.0458, 0.4079, 0.4881 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 93.0458, 0.4079, 0.4881**

## **Background**



This preview shows how black text looks on a background with the Yxy color 93.0458, 0.4079, 0.4881.



This preview shows how white text looks on a background with the Yxy color 93.0458, 0.4079, 0.4881.

# Color Blindness Simulation

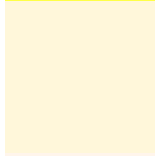
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



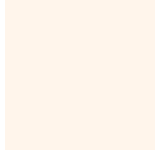
### Original Color

93.0458, 0.4079, 0.4881



### Protanopia

92.8435, 0.3357, 0.3576



### Deuteranopia

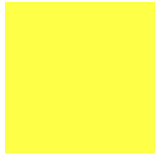
92.5630, 0.3253, 0.3388



## Tritanopia

92.8635, 0.3162, 0.3232

# Trichromacy



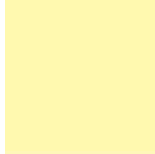
## Original Color

93.0458, 0.4079, 0.4881



## Protanomaly

92.3478, 0.3676, 0.4129



## Deuteranomaly

92.1065, 0.3619, 0.4023



## Tritanomaly

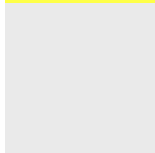
91.8976, 0.3561, 0.3916

# Monochromacy



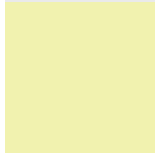
## Original Color

93.0458, 0.4079, 0.4881



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

85.3002, 0.3539, 0.3984

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 93.0458, 0.4079, 0.4881 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(254, 255, 71)` looks like.

```
.text, #text, p{  
    color:rgb(254, 255, 71)  
}
```

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(254, 255, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 255, 71) }
```

## Border

The CSS property to change the border of an element to Yxy 93.0458, 0.4079, 0.4881 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(254, 255, 71) }
```

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

```
.border{ border-color:rgb(254, 255, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 255, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(254, 255,  
71) }
```



# Background

The CSS property to change the background color of an element to Yxy 93.0458, 0.4079, 0.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 255, 71) }
```

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

```
.background{ background-color: rgb(254,  
255, 71) }
```

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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