

# Converting Colors

$Yxy(92.7553, 0.4048, 0.4860)$

Have a look what the booklet for  
Yxy(92.7553, 0.4048, 0.4860)  
contains.

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# **Color**

**Yxy(92.7513, 0.4047, 0.4860)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCFF4D
RGB	252, 255, 77
RGB Percent	99%, 100%, 30%
CMY	0.0119, 0.0000, 0.6979
CMYK	0.01, 0.00, 0.70, 0.00
HSL	61°, 100%, 65%
HSV	61°, 70%, 100%
XYZ	77.2355, 92.7513, 20.8595
YIQ	233.8110, 55.3500, -55.9940

# Conversions

## Conversions Part 2

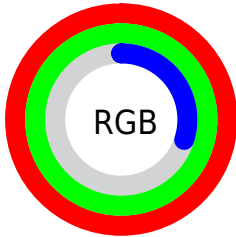
Format	Color
<a href="#">RYB</a>	<a href="#">77, 255, 80</a>
Decimal	<a href="#">16580429</a>
CIELab	<a href="#">97.13, -21.03, 79.75</a>
CIELCh	<a href="#">97, 82.477, 104.773</a>
Yxy	<a href="#">92.7513, 0.4047, 0.4860</a>
Android (android.graphics.Color)	<a href="#">4294770509 (0xFFFCFF4D)</a>
YUV	<a href="#">233.8110, -77.3078, 15.9518</a>
Hunter-Lab	<a href="#">96.3075, -25.3868, 54.5734</a>

# Details

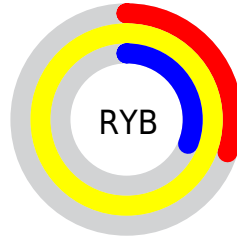
The Yxy color **92.7513, 0.4047, 0.4860** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **14.2423, 0.1788, 0.1060**, and the grayscale version is **82.6877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **52.0533, 0.4132, 0.5101** is the 20% darker color. If you saturate the color by 10%, you get **92.3711, 0.4111, 0.4974**, and if you desaturate by 10%, it is **93.2598, 0.3957, 0.4703**.

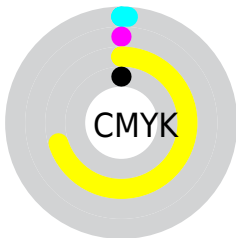
# Distribution



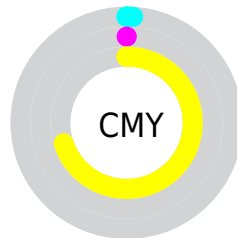
- Red (99%)
- Green (100%)
- Blue (30%)



- Red (30%)
- Yellow (100%)
- Blue (31%)



- Cyan (1%)
- Magenta (0%)
- Yellow (70%)
- Black (0%)




- Cyan (1%)
- Magenta (0%)
- Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.7513, 0.4047, 0.4860 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 92.7513, 0.4047, 0.4860 by changing the saturation by 10% instead.



 92.7513, 0.4047,  
0.4860

 92.7513, 0.4047,  
0.4860


536.9407, 0.3705,  
0.4193


 70.2648, 0.4100,  
0.4989


 151.1542, 0.3948,  
0.4646


 51.7425, 0.4153,  
0.5135


 187.8395, 0.3904,  
0.4558

 36.7998, 0.4199,  
0.5297


 230.0265, 0.3863,  
0.4479

 25.0525, 0.4230,  
0.5474

 278.0995, 0.3826,  
0.4409

 16.1162, 0.4259,  
0.5704

332.4431, 0.3791,  
0.4346

 9.6064, 0.4159,  
0.5841


393.4415, 0.3760,


 5.1388, 0.3987,


0.4290


0.6013


461.4793, 0.3731,  
0.4239

 2.3289, 0.3708,  
0.6292


 0.7890, 0.2306,  
0.7694


 92.7513, 0.4047,  
0.4860


 92.7513, 0.4047,  
0.4860

 92.3711, 0.4111,  
0.4974


 93.2598, 0.3957,  
0.4703


 92.1211, 0.4148,  
0.5044

 93.9309, 0.3844,  
0.4508

 91.9667, 0.4163,  
0.5076

 94.7708, 0.3713,  
0.4283

 91.9638, 0.4163,  
0.5076

 95.7912, 0.3570,  
0.4039

 97.0026, 0.3421,  
0.3786

 98.4147, 0.3271,  
0.3532

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.



92.7513, 0.4690, 0.4331



92.7513, 0.4047, 0.4860



92.7513, 0.3212, 0.4944

# Triad

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



92.7513, 0.4047, 0.4860



92.7513, 0.1608, 0.2483



92.7513, 0.3750, 0.2507

# Complementary

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



92.7513, 0.4047, 0.4860



14.2423, 0.1788, 0.1060

# 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.



92.7513, 0.2819, 0.2116



92.7513, 0.4047, 0.4860



92.7513, 0.1703, 0.2054

# Square

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



92.7513, 0.4047, 0.4860



92.7513, 0.1832, 0.3293



92.7513, 0.2106, 0.1952



92.7513, 0.4578, 0.3058



# Rectangle

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



92.7513, 0.4047, 0.4860



92.7513, 0.2652, 0.4593



92.7513, 0.2106, 0.1952



92.7513, 0.3431, 0.2355

# Sweetspot

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



92.7448, 0.4047, 0.4860



96.8453, 0.3439, 0.3817



27.5346, 0.5480, 0.3320



20.6545, 0.3480, 0.3887



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.



92.7448, 0.4047, 0.4860



92.2518, 0.4130, 0.5008



79.8486, 0.3441, 0.5262



21.0740, 0.3266, 0.3525



48.0603, 0.4164, 0.5076



4.6843, 0.4167, 0.5073



# Inverse Universe

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



14.2423, 0.1788, 0.1060



9.3377, 0.1597, 0.0749



20.9669, 0.2395, 0.1355



17.3925, 0.2981, 0.3044



3.7937, 0.1505, 0.0603

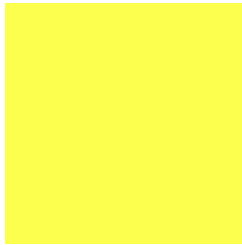


0.3743, 0.1517, 0.0609



# Previews

## White Background



This preview shows how the Yxy color 92.7513, 0.4047, 0.4860 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

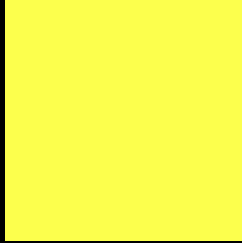
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.7513, 0.4047, 0.4860 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 92.7513, 0.4047, 0.4860**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.7513, 0.4047, 0.4860.



This preview shows how white text looks on a background with the Yxy color 92.7513, 0.4047, 0.4860.

# 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



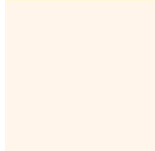
### Original Color

92.7513, 0.4047, 0.4860



### Protanopia

92.7394, 0.3369, 0.3596



### Deuteranopia

92.5053, 0.3259, 0.3398



## Tritanopia

92.3262, 0.3157, 0.3213

# Trichromacy



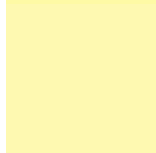
## Original Color

92.7513, 0.4047, 0.4860



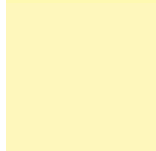
## Protanomaly

92.1587, 0.3669, 0.4131



## Deuteranomaly

91.9965, 0.3600, 0.4006



## Tritanomaly

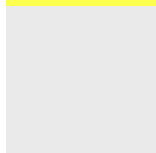
91.2232, 0.3537, 0.3878

# Monochromacy



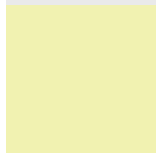
## Original Color

92.7513, 0.4047, 0.4860



## Achromatopsia

82.2786, 0.3127, 0.3290



## Achromatomaly

85.3794, 0.3526, 0.3963

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.7513, 0.4047, 0.4860 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(252, 255, 77)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 77)  
}
```

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(252, 255, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 92.7513, 0.4047, 0.4860 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(252, 255, 77) }
```

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

```
.border{ border-color:rgb(252, 255, 77) }
```

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

Here you see how a box with a 4 pixel rgb(252, 255, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 77);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
77) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.7513, 0.4047, 0.4860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 77) }
```

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

```
.background{ background-color: rgb(252,  
255, 77) }
```

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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