

# Converting Colors

Yxy(78.4833, 0.4301, 0.4815)

Have a look what the booklet for  
Yxy(78.4833, 0.4301, 0.4815)  
contains.

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# Color

**Yxy(78.4444, 0.4300, 0.4818)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE731
RGB	254, 231, 49
RGB Percent	100%, 91%, 19%
CMY	0.0038, 0.0941, 0.8077
CMYK	0.00, 0.09, 0.81, 0.00
HSL	53°, 99%, 59%
HSV	53°, 81%, 100%
XYZ	70.0106, 78.4444, 14.3603
YIQ	217.1290, 72.1300, -51.7260

# Conversions

## Conversions Part 2

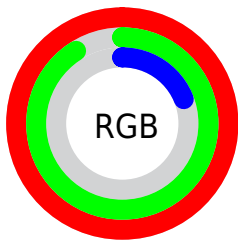
<b>Format</b>	<b>Color</b>
<b>RYB</b>	75, 254, 49
Decimal	16705329
CIELab	90.98, -9.57, 82.65
CIELCh	91, 83.201, 96.608
Yxy	78.4444, 0.4300, 0.4818
Android (android.graphics.Color)	4294895409 (0xFFFE731)
YUV	217.1290, -82.8876, 32.3359
Hunter-Lab	88.5688, -13.8975, 52.3851

# Details

The Yxy color **78.4444, 0.4300, 0.4818** 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 **12.4542, 0.1665, 0.0965**, and the grayscale version is **70.0306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9499, 0.3935, 0.4625**, and **42.3881, 0.4357, 0.4923** is the 20% darker color. If you saturate the color by 10%, you get **76.7062, 0.4368, 0.4869**, and if you desaturate by 10%, it is **80.3368, 0.4203, 0.4722**.

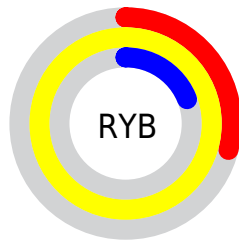
# Distribution



Red (100%)

Green (91%)

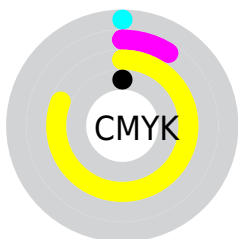
Blue (19%)



Red (29%)

Yellow (100%)

Blue (19%)

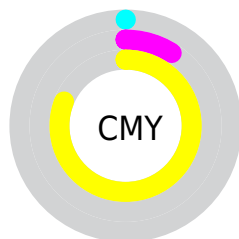


Cyan (0%)

Magenta (9%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.4444, 0.4300, 0.4818 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 78.4444, 0.4300, 0.4818 by changing the saturation by 10% instead.





 78.4444, 0.4300,  
0.4818


 78.4444, 0.4300,  
0.4818


489.6748, 0.3843,  
0.4183


 58.4391, 0.4373,  
0.4932


 131.1764, 0.4165,  
0.4621


 42.1618, 0.4446,  
0.5056


 164.6719, 0.4106,  
0.4537


 29.2280, 0.4513,  
0.5184


 203.4329, 0.4052,  
0.4462

 19.2534, 0.4574,  
0.5325

 247.8439, 0.4002,  
0.4394

 11.8535, 0.4576,  
0.5424

 298.2891, 0.3957,  
0.4334

 6.6440, 0.4511,  
0.5489

355.1531, 0.3915,

 3.2405, 0.4411,

0.4279

0.5589

418.8202, 0.3878,  
0.4229

■ 1.2585, 0.4235,  
0.5765

■ 0.1087, 0.0000,  
1.0000

■ 78.4444, 0.4300,  
0.4818

■ 78.4444, 0.4300,  
0.4818

■ 76.7062, 0.4368,  
0.4869

■ 80.3368, 0.4203,  
0.4722


■ 75.1909, 0.4410,  
0.4881


■ 82.3900, 0.4080,  
0.4582


■ 84.6227, 0.3937,  
0.4406


■ 87.0479, 0.3780,  
0.4202

 89.6773, 0.3616,  
0.3981

 92.5215, 0.3451,  
0.3753

 95.5903, 0.3291,  
0.3526

 98.8928, 0.3137,  
0.3305

 99.8154, 0.3121,  
0.3290

# Harmonies

## Analogous

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



78.4444, 0.4897, 0.4186



78.4444, 0.4300, 0.4818



78.4444, 0.3450, 0.5107

# Triad

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



78.4444, 0.4300, 0.4818



78.4444, 0.1556, 0.2618



78.4444, 0.3509, 0.2331

# Complementary

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



78.4444, 0.4300, 0.4818



12.4542, 0.1665, 0.0965

# 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.



78.4444, 0.2561, 0.1983



78.4444, 0.4300, 0.4818



78.4444, 0.1572, 0.2067

# Square

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



78.4444, 0.4300, 0.4818



78.4444, 0.1882, 0.3581



78.4444, 0.1901, 0.1881



78.4444, 0.4470, 0.2868



# Rectangle

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



78.4444, 0.4300, 0.4818



78.4444, 0.2848, 0.4890



78.4444, 0.1901, 0.1881



78.4444, 0.3171, 0.2190

# Sweetspot

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



78.4481, 0.4300, 0.4818



92.3580, 0.3506, 0.3829



23.7556, 0.5716, 0.3145



19.5497, 0.3565, 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.



78.4481, 0.4300, 0.4818



76.3328, 0.4398, 0.4878



80.2865, 0.3594, 0.5365



20.7216, 0.3272, 0.3499



39.7710, 0.4406, 0.4884



3.9674, 0.4378, 0.4906



# Inverse Universe

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



12.4542, 0.1665, 0.0965



8.4972, 0.1531, 0.0694



13.9165, 0.2036, 0.1018



17.7061, 0.2979, 0.3072



4.3269, 0.1522, 0.0678



0.5228, 0.1561, 0.0819



# Previews

## White Background



This preview shows how the Yxy color 78.4444, 0.4300, 0.4818 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

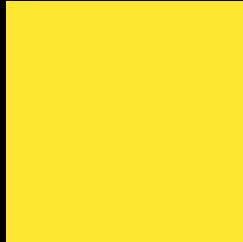
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.4444, 0.4300, 0.4818 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 78.4444, 0.4300, 0.4818**

## Background



This preview shows how black text looks on a background with the Yxy color 78.4444, 0.4300, 0.4818.



This preview shows how white text looks on a background with the Yxy color 78.4444, 0.4300, 0.4818.

# 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

78.4444, 0.4300, 0.4818

### Protanopia

78.6090, 0.4169, 0.4588

### Deuteranopia

78.0320, 0.3629, 0.3699



## Tritanopia

78.2159, 0.3305, 0.3181

# Trichromacy



## Original Color

78.4444, 0.4300, 0.4818

## Protanomaly

78.3754, 0.4231, 0.4681

## Deuteranomaly

77.9474, 0.3947, 0.4210

## Tritanomaly

77.2879, 0.3762, 0.3893

# Monochromacy



## Original Color

78.4444, 0.4300, 0.4818

## Achromatopsia

69.3872, 0.3127, 0.3290

## Achromatomaly

71.4658, 0.3637, 0.4014

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.4444, 0.4300, 0.4818 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, 231, 49)` looks like.

```
.text, #text, p{  
    color:rgb(254, 231, 49)  
}
```

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, 231, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 231, 49) }
```

## Border

The CSS property to change the border of an element to Yxy 78.4444, 0.4300, 0.4818 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, 231, 49) }
```

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

```
.border{ border-color:rgb(254, 231, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 231, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 231, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 231, 49);  
box-shadow:4px 4px 4px 4px rgb(254, 231,  
49) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.4444, 0.4300, 0.4818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 231, 49) }
```

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

```
.background{ background-color: rgb(254,  
231, 49) }
```

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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