

# Converting Colors

$Yxy(73.1598, 0.4392, 0.4536)$

Have a look what the booklet for  
Yxy(73.1598, 0.4392, 0.4536)  
contains.

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# **Color**

**Yxy(71.4075, 0.4322, 0.4582)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD94C
RGB	255, 217, 76
RGB Percent	100%, 85%, 30%
CMY	0.0001, 0.1490, 0.7017
CMYK	0.00, 0.15, 0.70, 0.00
HSL	47°, 100%, 65%
HSV	47°, 70%, 100%
XYZ	67.3556, 71.4075, 17.0804
YIQ	212.2880, 67.9090, -35.7950

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 255, 76
Decimal	16767308
CIELab	87.68, -1.13, 70.90
CIELCh	88, 70.908, 90.916
Yxy	71.4075, 0.4322, 0.4582
Android (android.graphics.Color)	4294957388 (0xFFFFD94C)
YUV	212.2880, -67.1900, 37.4584
Hunter-Lab	84.5030, -5.6015, 47.1679

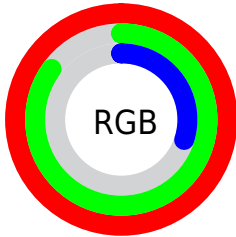
# Details

The Yxy color **71.4075, 0.4322, 0.4582** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **20.8010, 0.1865, 0.1434**, and the grayscale version is **66.4673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4459, 0.3840, 0.4468**, and **37.6637, 0.4507, 0.4803** is the 20% darker color. If you saturate the color by 10%, you get **68.3788, 0.4455, 0.4668**, and if you desaturate by 10%, it is **74.6751, 0.4165, 0.4453**.

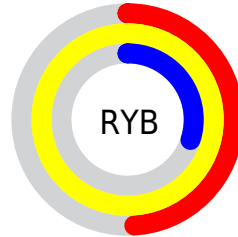
# Distribution



Red (100%)

Green (85%)

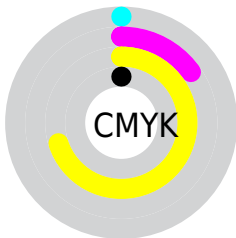
Blue (30%)



Red (49%)

Yellow (100%)

Blue (30%)

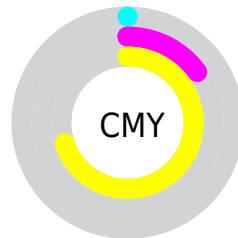


Cyan (0%)

Magenta (15%)

Yellow (70%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4075, 0.4322, 0.4582 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 71.4075, 0.4322, 0.4582 by changing the saturation by 10% instead.




 71.4075, 0.4322,  
0.4582

 71.4075, 0.4322,  
0.4582


465.4767, 0.3819,  
0.4034

 52.6748, 0.4415,  
0.4684

 121.2138, 0.4164,  
0.4409

 37.5432, 0.4516,  
0.4797


 153.0562, 0.4097,  
0.4336


 25.6284, 0.4622,  
0.4916


 190.0372, 0.4037,  
0.4271

 16.5458, 0.4726,  
0.5034

 232.5414, 0.3984,  
0.4213

 9.9112, 0.4836,  
0.5164

 280.9530, 0.3936,  
0.4161

 5.3401, 0.4828,  
0.5172

335.6565, 0.3893,

 2.4482, 0.4814,

0.4115

0.5186

397.0363, 0.3854,  
0.4073

■ 0.8505, 0.4786,  
0.5214

■ 0.0000, 0.0000,  
0.0000

■ 71.4075, 0.4322,  
0.4582

■ 71.4075, 0.4322,  
0.4582

■ 68.3788, 0.4455,  
0.4668

■ 74.6751, 0.4165,  
0.4453

■ 65.5600, 0.4560,  
0.4706

■ 78.1868, 0.3991,  
0.4289

■ 62.9685, 0.4636,  
0.4701

■ 81.9600, 0.3810,  
0.4101

■ 86.0071, 0.3629,  
0.3899

 90.3394, 0.3452,  
0.3693

 94.9675, 0.3285,  
0.3489

99.9013, 0.3130,  
0.3293

99.9976, 0.3127,  
0.3290

# Harmonies

## Analogous

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



71.4075, 0.4767, 0.4014



71.4075, 0.4322, 0.4582



71.4075, 0.3594, 0.4880

# Triad

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



71.4075, 0.4322, 0.4582



71.4075, 0.1745, 0.2847



71.4075, 0.3301, 0.2352

# Complementary

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



71.4075, 0.4322, 0.4582



20.8010, 0.1865, 0.1434

# 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.



71.4075, 0.2492, 0.2073



71.4075, 0.4322, 0.4582



71.4075, 0.1696, 0.2270

# Square

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



71.4075, 0.4322, 0.4582



71.4075, 0.2116, 0.3737



71.4075, 0.1945, 0.2031



71.4075, 0.4168, 0.2820



# Rectangle

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



71.4075, 0.4322, 0.4582



71.4075, 0.3051, 0.4762



71.4075, 0.1945, 0.2031



71.4075, 0.3010, 0.2235

# Sweetspot

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



71.4109, 0.4322, 0.4582



89.9796, 0.3467, 0.3710



27.6684, 0.5011, 0.2956



18.9985, 0.3515, 0.3767



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.



71.4109, 0.4322, 0.4582



67.2832, 0.4499, 0.4688



84.9129, 0.3717, 0.5087



20.3977, 0.3274, 0.3476



33.1319, 0.4627, 0.4708



3.3816, 0.4568, 0.4755



# Inverse Universe

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



20.8010, 0.1865, 0.1434



14.3851, 0.1678, 0.1082



16.8895, 0.2059, 0.1185



18.0024, 0.2979, 0.3097



5.3305, 0.1560, 0.0814



0.6689, 0.1614, 0.1010



# Previews

## White Background



This preview shows how the Yxy color 71.4075, 0.4322, 0.4582 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

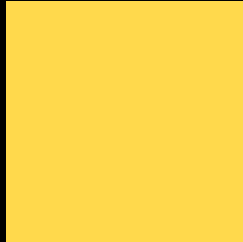
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4075, 0.4322, 0.4582 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 71.4075, 0.4322, 0.4582**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4075, 0.4322, 0.4582.



This preview shows how white text looks on a background with the Yxy color 71.4075, 0.4322, 0.4582.

# 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

71.4075, 0.4322, 0.4582

### Protanopia

71.3151, 0.4227, 0.4642

### Deuteranopia

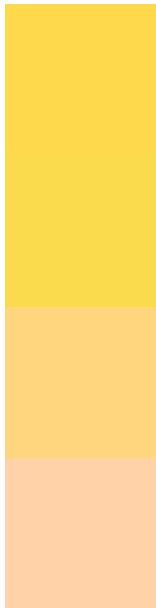
71.1484, 0.3888, 0.3908



## Tritanopia

71.4862, 0.3406, 0.3179

# Trichromacy



## Original Color

71.4075, 0.4322, 0.4582

## Protanomaly

71.3386, 0.4258, 0.4620

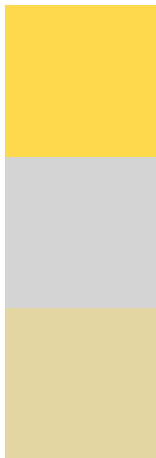
## Deuteranomaly

70.8338, 0.4076, 0.4185

## Tritanomaly

70.6386, 0.3792, 0.3746

# Monochromacy



## Original Color

71.4075, 0.4322, 0.4582

## Achromatopsia

65.8375, 0.3127, 0.3290

## Achromatomaly

67.2315, 0.3596, 0.3859

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4075, 0.4322, 0.4582 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, 217, 76)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 76)  
}
```

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, 217, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 76) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4075, 0.4322, 0.4582 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, 217, 76) }
```

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

```
.border{ border-color:rgb(255, 217, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 76);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
76) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4075, 0.4322, 0.4582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 76) }
```

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

```
.background{ background-color: rgb(255,  
217, 76) }
```

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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