

# Converting Colors

Yxy(71.4358, 0.4314, 0.4570)

Have a look what the booklet for  
Yxy(71.4358, 0.4314, 0.4570)  
contains.

<b>Yxy(71.4358, 0.4314, 0.4570)</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(71.4358, 0.4314, 0.4570)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD94E
RGB	255, 217, 78
RGB Percent	100%, 85%, 31%
CMY	0.0000, 0.1490, 0.6940
CMYK	0.00, 0.15, 0.69, 0.00
HSL	47°, 100%, 65%
HSV	47°, 69%, 100%
XYZ	67.4341, 71.4358, 17.4447
YIQ	212.5160, 67.2670, -35.1730

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	126, 255, 78
Decimal	16767310
CIE Lab	87.70, -1.02, 70.16
CIE LCh	88, 70.169, 90.832
Yxy	71.4358, 0.4314, 0.4570
Android (android.graphics.Color)	4294957390 (0xFFFFD94E)
YUV	212.5160, -66.3164, 37.2585
Hunter-Lab	84.5197, -5.4930, 46.9264

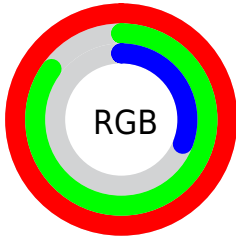
# Details

The Yxy color **71.4358, 0.4314, 0.4570** 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 **21.3359, 0.1879, 0.1461**, and the grayscale version is **66.6171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5012, 0.3829, 0.4451**, and **37.6769, 0.4499, 0.4791** is the 20% darker color. If you saturate the color by 10%, you get **68.3617, 0.4450, 0.4659**, and if you desaturate by 10%, it is **74.7445, 0.4154, 0.4438**.

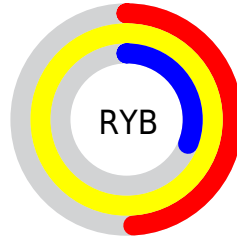
# Distribution



Red (100%)

Green (85%)

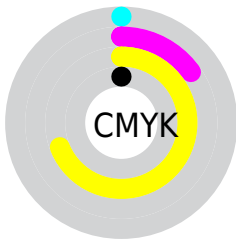
Blue (31%)



Red (49%)

Yellow (100%)

Blue (31%)

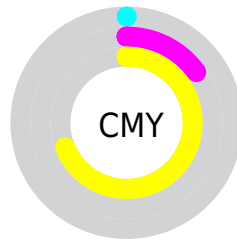


Cyan (0%)

Magenta (15%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (15%)


Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4358, 0.4314, 0.4570 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 71.4358, 0.4314, 0.4570 by changing the saturation by 10% instead.




 71.4358, 0.4314,  
0.4570


 71.4358, 0.4314,  
0.4570

465.5754, 0.3813,  
0.4026


 52.6979, 0.4407,  
0.4672


 121.2540, 0.4156,  
0.4398


 37.5617, 0.4509,  
0.4784


 153.1032, 0.4089,  
0.4325


 25.6427, 0.4616,  
0.4904


 190.0916, 0.4030,  
0.4261

 16.5565, 0.4721,  
0.5023

 232.6035, 0.3977,  
0.4204

 9.9188, 0.4840,  
0.5160

 281.0235, 0.3930,  
0.4152

 5.3452, 0.4832,  
0.5168

335.7359, 0.3887,

 2.4512, 0.4820,

0.4106

0.5180

397.1251, 0.3848,  
0.4064

0.8520, 0.4795,  
0.5205

0.0000, 0.0000,  
0.0000

71.4358, 0.4314,  
0.4570

71.4358, 0.4314,  
0.4570

68.3617, 0.4450,  
0.4659

74.7445, 0.4154,  
0.4438

65.5050, 0.4558,  
0.4700

78.3045, 0.3979,  
0.4272

62.8377, 0.4637,  
0.4697

82.1290, 0.3797,  
0.4083

62.6829, 0.4642,  
0.4696

86.2306, 0.3615,  
0.3882

■ 90.6204, 0.3439,  
0.3676

■ 95.3091, 0.3273,  
0.3473

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.



71.4358, 0.4753, 0.4008



71.4358, 0.4314, 0.4570



71.4358, 0.3594, 0.4863

# Triad

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



71.4358, 0.4314, 0.4570



71.4358, 0.1758, 0.2855



71.4358, 0.3297, 0.2360

# Complementary

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



71.4358, 0.4314, 0.4570



21.3359, 0.1879, 0.1461

# 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.



71.4358, 0.2497, 0.2083



71.4358, 0.4314, 0.4570



71.4358, 0.1707, 0.2281

# Square

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



71.4358, 0.4314, 0.4570



71.4358, 0.2127, 0.3735



71.4358, 0.1954, 0.2042



71.4358, 0.4155, 0.2823



# Rectangle

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



71.4358, 0.4314, 0.4570



71.4358, 0.3056, 0.4746



71.4358, 0.1954, 0.2042



71.4358, 0.3010, 0.2244

# Sweetspot

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



71.4354, 0.4314, 0.4570



89.9002, 0.3467, 0.3709



27.9809, 0.4979, 0.2956



18.9794, 0.3515, 0.3766



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.



71.4354, 0.4314, 0.4570



67.3106, 0.4493, 0.4680



85.0289, 0.3715, 0.5072



20.3897, 0.3274, 0.3475



32.9806, 0.4633, 0.4704



3.3681, 0.4573, 0.4751



# Inverse Universe

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



21.3359, 0.1879, 0.1461



14.8519, 0.1691, 0.1110



17.2733, 0.2072, 0.1205



18.0098, 0.2979, 0.3098



5.3630, 0.1561, 0.0819



0.6731, 0.1615, 0.1015



# Previews

## White Background



This preview shows how the Yxy color 71.4358, 0.4314, 0.4570 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

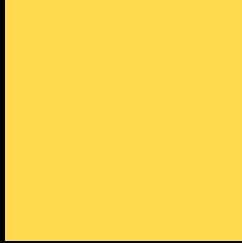
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.4358, 0.4314, 0.4570 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 71.4358, 0.4314, 0.4570**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4358, 0.4314, 0.4570.



This preview shows how white text looks on a background with the Yxy color 71.4358, 0.4314, 0.4570.

# 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

71.4358, 0.4314, 0.4570

### Protanopia

71.3437, 0.4219, 0.4630

### Deuteranopia

71.1816, 0.3880, 0.3898



## Tritanopia

71.4862, 0.3406, 0.3179

# Trichromacy



## Original Color

71.4358, 0.4314, 0.4570

## Protanomaly

71.3673, 0.4249, 0.4608

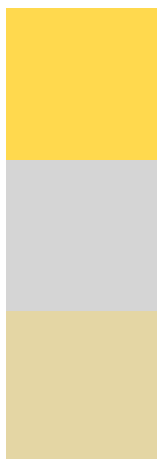
## Deuteranomaly

70.8595, 0.4069, 0.4176

## Tritanomaly

70.6757, 0.3785, 0.3736

# Monochromacy



## Original Color

71.4358, 0.4314, 0.4570

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

67.2675, 0.3589, 0.3848

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4358, 0.4314, 0.4570 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, 78)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 78)  
}
```

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, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 78) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4358, 0.4314, 0.4570 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, 78) }
```

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

```
.border{ border-color:rgb(255, 217, 78) }
```

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, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 78);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
78) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4358, 0.4314, 0.4570 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, 78) }
```

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

```
.background{ background-color: rgb(255,  
217, 78) }
```

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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