

# Converting Colors

$Y_{xy}(71.2385, 0.4175, 0.4350)$

Have a look what the booklet for  
Yxy(71.2385, 0.4175, 0.4350)  
contains.

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# **Color**

**Yxy(71.4333, 0.4174, 0.4356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD86B
RGB	255, 216, 107
RGB Percent	100%, 85%, 42%
CMY	0.0001, 0.1529, 0.5802
CMYK	0.00, 0.15, 0.58, 0.00
HSL	44°, 100%, 71%
HSV	44°, 58%, 100%
XYZ	68.4487, 71.4333, 24.1063
YIQ	215.2350, 58.2330, -25.6310

# Conversions

## Conversions Part 2

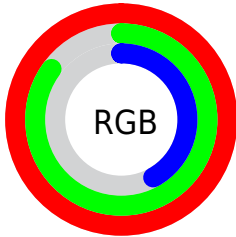
Format	Color
<b>RYB</b>	160, 255, 107
Decimal	16767083
CIELab	87.70, 1.21, 57.79
CIElCh	88, 57.806, 88.799
Yxy	71.4333, 0.4174, 0.4356
Android (android.graphics.Color)	4294957163 (0xFFFFD86B)
YUV	215.2350, -53.3599, 34.8739
Hunter-Lab	84.5182, -3.3452, 42.2521

# Details

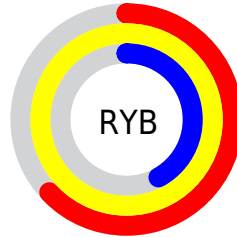
The Yxy color **71.4333, 0.4174, 0.4356** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.9185, 0.2097, 0.1884**, and the grayscale version is **68.4667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3532, 0.3683, 0.4210**, and **37.3582, 0.4376, 0.4551** is the 20% darker color. If you saturate the color by 10%, you get **67.6036, 0.4354, 0.4486**, and if you desaturate by 10%, it is **75.5689, 0.3983, 0.4195**.

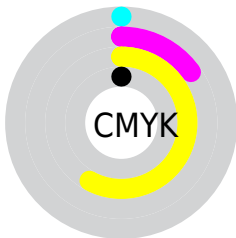
# Distribution



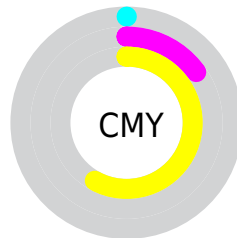
- Red (100%)
- Green (85%)
- Blue (42%)



- Red (63%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (15%)
- Yellow (58%)
- Black (0%)




- Cyan (0%)
- Magenta (15%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4333, 0.4174, 0.4356 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 71.4333, 0.4174, 0.4356 by changing the saturation by 10% instead.




 71.4333, 0.4174,  
0.4356


 71.4333, 0.4174,  
0.4356

465.5667, 0.3714,  
0.3891


 52.6959, 0.4267,  
0.4449


 121.2505, 0.4023,  
0.4204


 37.5600, 0.4375,  
0.4556


 153.0990, 0.3961,  
0.4142

 25.6414, 0.4497,  
0.4678


 190.0868, 0.3907,  
0.4087

 16.5556, 0.4633,  
0.4810

 232.5981, 0.3860,  
0.4038

 9.9181, 0.4789,  
0.4960

281.0173, 0.3817,  
0.3995

 5.3447, 0.4921,  
0.5079

335.7289, 0.3779,

 2.4509, 0.4935,

0.3957

0.5065

397.1172, 0.3745,  
0.3922

■ 0.8519, 0.4963,  
0.5037

■ 0.0000, 0.0000,  
0.0000

■ 71.4333, 0.4174,  
0.4356

■ 71.4333, 0.4174,  
0.4356

■ 67.6036, 0.4354,  
0.4486

■ 75.5689, 0.3983,  
0.4195

■ 64.0534, 0.4513,  
0.4574


■ 80.0143, 0.3789,  
0.4013

■ 60.7676, 0.4645,  
0.4613

■ 84.7859, 0.3600,  
0.3820

■ 57.7215, 0.4745,  
0.4604

■ 89.8956, 0.3419,  
0.3626

 57.1381, 0.4764,  
0.4600

 95.3547, 0.3252,  
0.3436

99.9975, 0.3127,  
0.3290

# Harmonies

## Analogous

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



71.4333, 0.4498, 0.3896



71.4333, 0.4174, 0.4356



71.4333, 0.3587, 0.4578

# Triad

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



71.4333, 0.4174, 0.4356



71.4333, 0.1982, 0.2991



71.4333, 0.3227, 0.2478

# Complementary

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



71.4333, 0.4174, 0.4356



30.9185, 0.2097, 0.1884

# 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.



71.4333, 0.2566, 0.2252



71.4333, 0.4174, 0.4356



71.4333, 0.1912, 0.2477

# Square

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



71.4333, 0.4174, 0.4356



71.4333, 0.2329, 0.3712



71.4333, 0.2111, 0.2239



71.4333, 0.3934, 0.2874



# Rectangle

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



71.4333, 0.4174, 0.4356



71.4333, 0.3135, 0.4484



71.4333, 0.2111, 0.2239



71.4333, 0.2991, 0.2382

# Sweetspot

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



71.4367, 0.4174, 0.4356



90.4432, 0.3402, 0.3607



33.8768, 0.4428, 0.2900



19.1314, 0.3437, 0.3645



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.



71.4367, 0.4174, 0.4356



66.8840, 0.4387, 0.4507



87.8636, 0.3715, 0.4795



20.2331, 0.3276, 0.3464



30.1163, 0.4752, 0.4609



3.1108, 0.4674, 0.4671



# Inverse Universe

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



30.9185, 0.2097, 0.1884



23.0758, 0.1896, 0.1550



23.4607, 0.2217, 0.1512



18.1560, 0.2979, 0.3110



6.0876, 0.1587, 0.0912



0.7620, 0.1646, 0.1124



# Previews

## White Background



This preview shows how the Yxy color 71.4333, 0.4174, 0.4356 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 71.4333, 0.4174, 0.4356 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 71.4333, 0.4174, 0.4356**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.4333, 0.4174, 0.4356.



This preview shows how white text looks on a background with the Yxy color 71.4333, 0.4174, 0.4356.

# 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

71.4333, 0.4174, 0.4356

### Protanopia

71.3238, 0.4051, 0.4427

### Deuteranopia

71.3171, 0.3851, 0.3857



## Tritanopia

71.5391, 0.3399, 0.3169

# Trichromacy



## Original Color

71.4333, 0.4174, 0.4356

## Protanomaly

71.5199, 0.4088, 0.4404

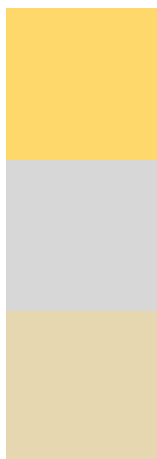
## Deuteranomaly

71.2172, 0.3982, 0.4055

## Tritanomaly

71.1032, 0.3702, 0.3622

# Monochromacy



## Original Color

71.4333, 0.4174, 0.4356

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

68.5585, 0.3516, 0.3722

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.4333, 0.4174, 0.4356 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, 216, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 107)  
}
```

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, 216, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 71.4333, 0.4174, 0.4356 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, 216, 107) }
```

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

```
.border{ border-color:rgb(255, 216, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.4333, 0.4174, 0.4356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 107) }
```

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

```
.background{ background-color: rgb(255,  
216, 107) }
```

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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