

Converting Colors

$Y_{xy}(70.3967, 0.4333, 0.4561)$

Have a look what the booklet for
Yxy(70.3967, 0.4333, 0.4561)
contains.

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Color

Yxy(70.3967, 0.4333, 0.4561)

Conversions

Conversions Part 1

Format	Color
Hex	FFD74D
RGB	255, 215, 77
RGB Percent	100%, 84%, 30%
CMY	0.0000, 0.1568, 0.6983
CMYK	0.00, 0.16, 0.70, 0.00
HSL	47°, 100%, 65%
HSV	47°, 70%, 100%
XYZ	66.8776, 70.3967, 17.0705
YIQ	211.2280, 68.1380, -34.4380

Conversions

Conversions Part 2

Format	Color
RYB	129, 255, 77
Decimal	16766797
CIELab	87.19, -0.07, 70.07
CIELCh	87, 70.073, 90.059
Yxy	70.3967, 0.4333, 0.4561
Android (android.graphics.Color)	4294956877 (0xFFFFD74D)
YUV	211.2280, -66.1744, 38.3880
Hunter-Lab	83.9027, -4.5501, 46.6690

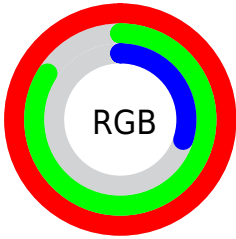
Details

The Yxy color **70.3967, 0.4333, 0.4561** 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 **21.4986, 0.1877, 0.1470**, and the grayscale version is **65.7098, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **36.9678, 0.4525, 0.4777** is the 20% darker color. If you saturate the color by 10%, you get **67.2423, 0.4472, 0.4647**, and if you desaturate by 10%, it is **73.8010, 0.4171, 0.4432**.

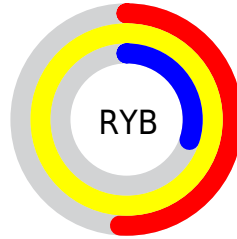
Distribution



Red (100%)

Green (84%)

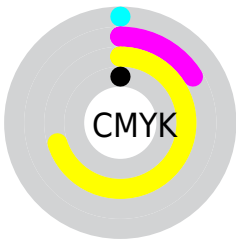
Blue (30%)



Red (51%)

Yellow (100%)

Blue (30%)

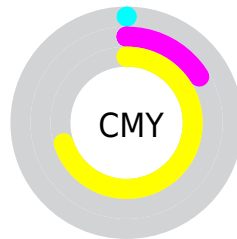


Cyan (0%)

Magenta (16%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (16%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3967, 0.4333, 0.4561 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 70.3967, 0.4333, 0.4561 by changing the saturation by 10% instead.


 70.3967, 0.4333,
0.4561

 70.3967, 0.4333,
0.4561


461.9417, 0.3822,
0.4022

 51.8500, 0.4428,
0.4662


 119.7743, 0.4171,
0.4390

 36.8855, 0.4533,
0.4772


 151.3740, 0.4103,
0.4319

 25.1189, 0.4643,
0.4889


 188.0935, 0.4043,
0.4255

 16.1656, 0.4752,
0.5004

 230.3172, 0.3989,
0.4198

 9.6414, 0.4871,
0.5129

 278.4294, 0.3941,
0.4147

 5.1619, 0.4870,
0.5130

332.8147, 0.3897,

 2.3426, 0.4869,

0.4101

393.8573, 0.3858,
0.4060

0.5131

0.7961, 0.4867,
0.5133

0.0000, 0.0000,
0.0000

70.3967, 0.4333,
0.4561

70.3967, 0.4333,
0.4561

67.2423, 0.4472,
0.4647

73.8010, 0.4171,
0.4432

64.3090, 0.4582,
0.4684

77.4608, 0.3993,
0.4269

61.5709, 0.4664,
0.4678

81.3934, 0.3809,
0.4083

61.5258, 0.4666,
0.4677

85.6113, 0.3625,
0.3883

■ 90.1261, 0.3448,
0.3680

■ 94.9483, 0.3280,
0.3480

99.9997, 0.3127,
0.3290

Harmonies

Analogous

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



70.3967, 0.4764, 0.3994



70.3967, 0.4333, 0.4561



70.3967, 0.3615, 0.4867

Triad

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



70.3967, 0.4333, 0.4561



70.3967, 0.1759, 0.2873



70.3967, 0.3275, 0.2347

Complementary

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



70.3967, 0.4333, 0.4561



21.4986, 0.1877, 0.1470

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.



70.3967, 0.2477, 0.2075



70.3967, 0.4333, 0.4561



70.3967, 0.1701, 0.2288

Square

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



70.3967, 0.4333, 0.4561



70.3967, 0.2138, 0.3762



70.3967, 0.1941, 0.2041



70.3967, 0.4139, 0.2808

Rectangle

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



70.3967, 0.4333, 0.4561



70.3967, 0.3076, 0.4762



70.3967, 0.1941, 0.2041



70.3967, 0.2987, 0.2232

Sweetspot

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



70.4001, 0.4333, 0.4561



89.5840, 0.3468, 0.3704



27.8771, 0.4954, 0.2927



18.9035, 0.3516, 0.3760



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.



70.4001, 0.4333, 0.4561



65.9943, 0.4522, 0.4668



85.3932, 0.3736, 0.5067



20.3580, 0.3275, 0.3473



32.3831, 0.4656, 0.4685



3.3147, 0.4593, 0.4735

Inverse Universe

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



21.4986, 0.1877, 0.1470



14.8160, 0.1685, 0.1109



16.8340, 0.2044, 0.1184



18.0393, 0.2979, 0.3100



5.4967, 0.1566, 0.0836



0.6900, 0.1621, 0.1036

Previews

White Background



This preview shows how the Yxy color 70.3967, 0.4333, 0.4561 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 70.3967, 0.4333, 0.4561 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 70.3967, 0.4333, 0.4561

Background



This preview shows how black text looks on a background with the Yxy color 70.3967, 0.4333, 0.4561.



This preview shows how white text looks on a background with the Yxy color 70.3967, 0.4333, 0.4561.

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

70.3967, 0.4333, 0.4561

Protanopia

70.4462, 0.4214, 0.4638

Deuteranopia

70.4851, 0.3928, 0.3948



Tritanopia

70.4124, 0.3424, 0.3179

Trichromacy



Original Color

70.3967, 0.4333, 0.4561

Protanomaly

70.6493, 0.4253, 0.4611

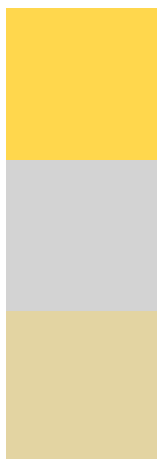
Deuteranomaly

70.2536, 0.4101, 0.4203

Tritanomaly

69.6141, 0.3807, 0.3736

Monochromacy



Original Color

70.3967, 0.4333, 0.4561

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.0265, 0.3601, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3967, 0.4333, 0.4561 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, 215, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 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(255, 215, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 77) }
```

Border

The CSS property to change the border of an element to Yxy 70.3967, 0.4333, 0.4561 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, 215, 77) }
```

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

```
.border{ border-color:rgb(255, 215, 77) }
```

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

Here you see how a box with a 4 pixel rgb(255, 215, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3967, 0.4333, 0.4561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 77) }
```

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

```
.background{ background-color: rgb(255,  
215, 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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