

Converting Colors

$Y_{xy}(64.4958, 0.4379, 0.4399)$

Have a look what the booklet for
Yxy(64.4958, 0.4379, 0.4399)
contains.

Yxy(64.6438, 0.4378, 0.4403)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.6438, 0.4378, 0.4403)

Conversions

Conversions Part 1

Format	Color
Hex	<code>FFCB56</code>
RGB	255, 203, 86
RGB Percent	100%, 80%, 34%
CMY	0.0000, 0.2039, 0.6627
CMYK	0.00, 0.20, 0.66, 0.00
HSL	42°, 100%, 67%
HSV	42°, 66%, 100%
XYZ	64.2768, 64.6438, 17.8971
YIQ	205.2100, 68.5490, -25.3630

Conversions

Conversions Part 2

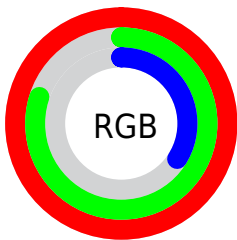
Format	Color
RYB	161, 255, 86
Decimal	16763734
CIELab	84.30, 6.55, 63.37
CIELCh	84, 63.712, 84.100
Yxy	64.6438, 0.4378, 0.4403
Android (android.graphics.Color)	4294953814 (0xFFFFCB56)
YUV	205.2100, -58.7705, 43.6658
Hunter-Lab	80.4014, 1.9992, 43.0832

Details

The Yxy color **64.6438, 0.4378, 0.4403** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **27.3801, 0.1978, 0.1748**, and the grayscale version is **61.5426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6734, 0.3798, 0.4400**, and **33.0481, 0.4613, 0.4591** is the 20% darker color. If you saturate the color by 10%, you get **60.6934, 0.4560, 0.4492**, and if you desaturate by 10%, it is **68.9340, 0.4179, 0.4274**.

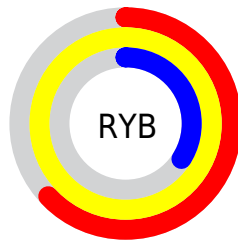
Distribution



Red (100%)

Green (80%)

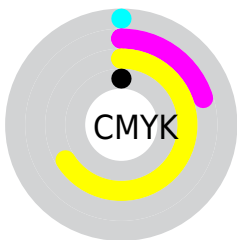
Blue (34%)



Red (63%)

Yellow (100%)

Blue (34%)

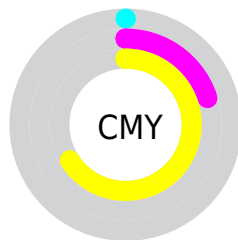


Cyan (0%)

Magenta (20%)

Yellow (66%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6438, 0.4378, 0.4403 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 64.6438, 0.4378, 0.4403 by changing the saturation by 10% instead.


 64.6438, 0.4378,
0.4403

 64.6438, 0.4378,
0.4403


441.5108, 0.3824,
0.3929


 47.1723, 0.4489,
0.4492


 111.5376, 0.4197,
0.4252


 33.1719, 0.4614,
0.4589


 141.7287, 0.4123,
0.4189

 22.2582, 0.4754,
0.4691


 176.9284, 0.4058,
0.4133

 14.0467, 0.4903,
0.4787

 217.5212, 0.4000,
0.4083

 8.1532, 0.5096,
0.4904

263.8915, 0.3949,
0.4038

 4.1931, 0.5151,
0.4849

316.4236, 0.3903,

 1.7822, 0.5240,

0.3998

0.4760

375.5019, 0.3862,
0.3962

0.4760, 0.5626,
0.4374

0.0000, 0.0000,
0.0000

64.6438, 0.4378,
0.4403

64.6438, 0.4378,
0.4403

60.6934, 0.4560,
0.4492

68.9340, 0.4179,
0.4274

57.0551, 0.4716,
0.4531

73.5722, 0.3973,
0.4117

53.7086, 0.4840,
0.4520

78.5762, 0.3770,
0.3941

52.5221, 0.4880,
0.4507

83.9598, 0.3574,
0.3758

■ 89.7356, 0.3392,
0.3575

■ 95.9157, 0.3224,
0.3397

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.



64.6438, 0.4697, 0.3854



64.6438, 0.4378, 0.4403



64.6438, 0.3744, 0.4745

Triad

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



64.6438, 0.4378, 0.4403



64.6438, 0.1882, 0.3054



64.6438, 0.3107, 0.2330

Complementary

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



64.6438, 0.4378, 0.4403



27.3801, 0.1978, 0.1748

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.



64.6438, 0.2394, 0.2114



64.6438, 0.4378, 0.4403



64.6438, 0.1764, 0.2434

Square

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



64.6438, 0.4378, 0.4403



64.6438, 0.2307, 0.3905



64.6438, 0.1937, 0.2134



64.6438, 0.3925, 0.2740

Rectangle

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



64.6438, 0.4378, 0.4403



64.6438, 0.3240, 0.4717



64.6438, 0.1937, 0.2134



64.6438, 0.2846, 0.2234

Sweetspot

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



64.6467, 0.4378, 0.4403



87.5329, 0.3458, 0.3643



29.7982, 0.4611, 0.2789



18.3885, 0.3510, 0.3695



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.



64.6467, 0.4378, 0.4403



59.2996, 0.4622, 0.4512



88.0427, 0.3821, 0.4934



20.0921, 0.3277, 0.3454



27.7210, 0.4866, 0.4518



2.8930, 0.4770, 0.4594

Inverse Universe

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



27.3801, 0.1978, 0.1748



19.9065, 0.1784, 0.1398



17.6604, 0.2010, 0.1236



18.2893, 0.2979, 0.3121



6.8848, 0.1614, 0.1012



0.8542, 0.1676, 0.1232

Previews

White Background



This preview shows how the Yxy color 64.6438, 0.4378, 0.4403 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 64.6438, 0.4378, 0.4403 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 64.6438, 0.4378, 0.4403

Background



This preview shows how black text looks on a background with the Yxy color 64.6438, 0.4378, 0.4403.



This preview shows how white text looks on a background with the Yxy color 64.6438, 0.4378, 0.4403.

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

64.6438, 0.4378, 0.4403

Protanopia

64.7855, 0.4142, 0.4550

Deuteranopia

64.7389, 0.4210, 0.4164



Tritanopia

64.7464, 0.3529, 0.3178

Trichromacy



Original Color

64.6438, 0.4378, 0.4403

Protanomaly

64.6771, 0.4233, 0.4496

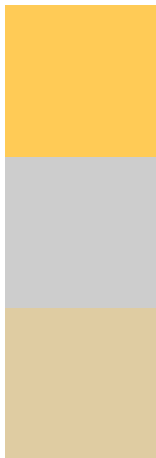
Deuteranomaly

64.5005, 0.4281, 0.4258

Tritanomaly

64.2568, 0.3878, 0.3667

Monochromacy



Original Color

64.6438, 0.4378, 0.4403

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.4823, 0.3592, 0.3772

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6438, 0.4378, 0.4403 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, 203, 86)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 86)  
}
```

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, 203, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 86) }
```

Border

The CSS property to change the border of an element to Yxy 64.6438, 0.4378, 0.4403 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, 203, 86) }
```

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

```
.border{ border-color:rgb(255, 203, 86) }
```

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

Here you see how a box with a 4 pixel rgb(255, 203, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 86);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6438, 0.4378, 0.4403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 203, 86) }
```

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

```
.background{ background-color: rgb(255,  
203, 86) }
```

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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