

Converting Colors

$Yxy(69.2643, 0.4574, 0.4325)$

Have a look what the booklet for
Yxy(69.2643, 0.4574, 0.4325)
contains.

Yxy(64.5964, 0.4394, 0.4424)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.5964, 0.4394, 0.4424)

Conversions

Conversions Part 1

Format	Color
Hex	FFCB53
RGB	255, 203, 83
RGB Percent	100%, 80%, 33%
CMY	0.0000, 0.2039, 0.6747
CMYK	0.00, 0.20, 0.67, 0.00
HSL	42°, 100%, 66%
HSV	42°, 67%, 100%
XYZ	64.1584, 64.5964, 17.2588
YIQ	204.8680, 69.5120, -26.2960

Conversions

Conversions Part 2

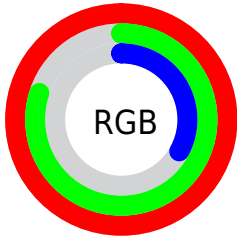
Format	Color
R _Y B	158, 255, 83
Decimal	16763731
CIE Lab	84.28, 6.39, 64.65
CIE LCh	84, 64.965, 84.360
Yxy	64.5964, 0.4394, 0.4424
Android (android.graphics.Color)	4294953811 (0xFFFFCB53)
YUV	204.8680, -60.0809, 43.9658
Hunter-Lab	80.3719, 1.8402, 43.5286

Details

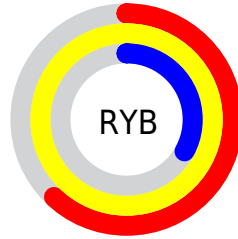
The Yxy color **64.5964, 0.4394, 0.4424** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **26.3682, 0.1956, 0.1704**, and the grayscale version is **61.3153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6150, 0.3809, 0.4417**, and **33.0261, 0.4629, 0.4612** is the 20% darker color. If you saturate the color by 10%, you get **60.7239, 0.4571, 0.4508**, and if you desaturate by 10%, it is **68.7971, 0.4199, 0.4299**.

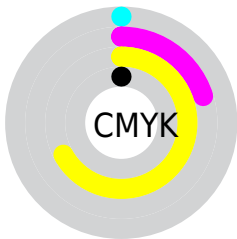
Distribution



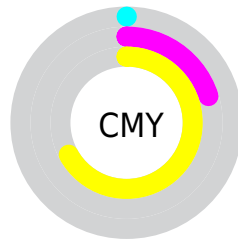
- Red (100%)
- Green (80%)
- Blue (33%)



- Red (62%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (20%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (20%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5964, 0.4394, 0.4424 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 64.5964, 0.4394, 0.4424 by changing the saturation by 10% instead.


 64.5964, 0.4394,
0.4424


 64.5964, 0.4394,
0.4424


441.3402, 0.3835,
0.3942

 47.1339, 0.4505,
0.4513


 111.4694, 0.4212,
0.4272

 33.1415, 0.4630,
0.4611


 141.6487, 0.4137,
0.4208

 22.2349, 0.4768,
0.4712


 176.8357, 0.4072,
0.4151

 14.0296, 0.4914,
0.4806

 217.4148, 0.4013,
0.4100

 8.1412, 0.5091,
0.4909

263.7704, 0.3961,
0.4054

 4.1855, 0.5144,
0.4856

316.2869, 0.3915,

 1.7778, 0.5231,

0.4013

0.4769

375.3487, 0.3873,
0.3976

■ 0.4733, 0.5614,
0.4386

■ 0.0000, 0.0000,
0.0000

■ 64.5964, 0.4394,
0.4424

■ 64.5964, 0.4394,
0.4424

■ 60.7239, 0.4571,
0.4508

■ 68.7971, 0.4199,
0.4299

■ 57.1564, 0.4721,
0.4543

■ 73.3390, 0.3995,
0.4143

■ 53.8706, 0.4838,
0.4527

■ 78.2384, 0.3792,
0.3968

■ 53.0760, 0.4865,
0.4519

■ 83.5090, 0.3596,
0.3784

■ 89.1636, 0.3413,
0.3599

■ 95.2139, 0.3244,
0.3419

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.



64.5964, 0.4725, 0.3865



64.5964, 0.4394, 0.4424



64.5964, 0.3746, 0.4775

Triad

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



64.5964, 0.4394, 0.4424



64.5964, 0.1858, 0.3041



64.5964, 0.3112, 0.2317

Complementary

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



64.5964, 0.4394, 0.4424



26.3682, 0.1956, 0.1704

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.



64.5964, 0.2386, 0.2096



64.5964, 0.4394, 0.4424



64.5964, 0.1742, 0.2413

Square

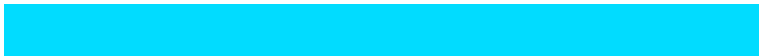
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5964, 0.4394, 0.4424



64.5964, 0.2286, 0.3911



64.5964, 0.1920, 0.2113



64.5964, 0.3947, 0.2734

Rectangle

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



64.5964, 0.4394, 0.4424



64.5964, 0.3233, 0.4746



64.5964, 0.1920, 0.2113



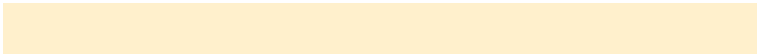
64.5964, 0.2847, 0.2219

Sweetspot

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



64.5977, 0.4394, 0.4424



87.6972, 0.3458, 0.3646



29.2568, 0.4653, 0.2786



18.4281, 0.3509, 0.3698



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.



64.5977, 0.4394, 0.4424



59.4314, 0.4627, 0.4526



87.9043, 0.3828, 0.4956



20.1095, 0.3277, 0.3455



28.0083, 0.4852, 0.4530



2.9193, 0.4758, 0.4604

Inverse Universe

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



26.3682, 0.1956, 0.1704



19.2000, 0.1768, 0.1360



17.0086, 0.1988, 0.1202



18.2727, 0.2979, 0.3119



6.7783, 0.1611, 0.0999



0.8421, 0.1672, 0.1218

Previews

White Background



This preview shows how the Yxy color 64.5964, 0.4394, 0.4424 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 64.5964, 0.4394, 0.4424 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 64.5964, 0.4394, 0.4424

Background



This preview shows how black text looks on a background with the Yxy color 64.5964, 0.4394, 0.4424.



This preview shows how white text looks on a background with the Yxy color 64.5964, 0.4394, 0.4424.

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

64.5964, 0.4394, 0.4424

Protanopia

64.7368, 0.4157, 0.4572

Deuteranopia

64.7160, 0.4217, 0.4173



Tritanopia

64.2998, 0.3531, 0.3168

Trichromacy



Original Color

64.5964, 0.4394, 0.4424

Protanomaly

64.6291, 0.4248, 0.4518

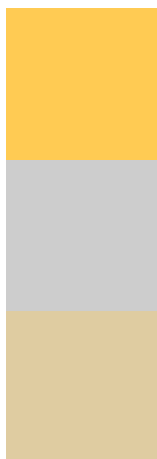
Deuteranomaly

64.4803, 0.4288, 0.4266

Tritanomaly

63.7657, 0.3890, 0.3668

Monochromacy



Original Color

64.5964, 0.4394, 0.4424

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.4469, 0.3600, 0.3784

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5964, 0.4394, 0.4424 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(255, 203, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 203, 83) }
```

Border

The CSS property to change the border of an element to Yxy 64.5964, 0.4394, 0.4424 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, 83) }
```

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

```
.border{ border-color:rgb(255, 203, 83) }
```

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, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 203, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 203, 83);  
box-shadow:4px 4px 4px 4px rgb(255, 203,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5964, 0.4394, 0.4424 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, 83) }
```

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

```
.background{ background-color: rgb(255,  
203, 83) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor