

Converting Colors

$Y_{xy}(85.9970, 0.4450, 0.4008)$

Have a look what the booklet for
Yxy(85.9970, 0.4450, 0.4008)
contains.

Yxy(73.0415, 0.4016, 0.4166)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.0415, 0.4016, 0.4166)

Conversions

Conversions Part 1

Format	Color
Hex	FFDA83
RGB	255, 218, 131
RGB Percent	100%, 85%, 51%
CMY	0.0000, 0.1451, 0.4861
CMYK	0.00, 0.15, 0.49, 0.00
HSL	42°, 100%, 76%
HSV	42°, 49%, 100%
XYZ	70.4116, 73.0415, 31.8746
YIQ	219.1450, 49.9790, -19.2130

Conversions

Conversions Part 2

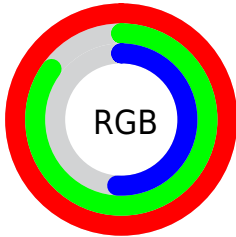
Format	Color
RYB	184, 255, 131
Decimal	16767619
CIELab	88.47, 2.13, 47.32
CIELCh	88, 47.366, 87.428
Yxy	73.0415, 0.4016, 0.4166
Android (android.graphics.Color)	4294957699 (0xFFFFDA83)
YUV	219.1450, -43.4555, 31.4448
Hunter-Lab	85.4643, -2.5016, 37.7124

Details

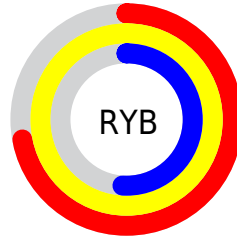
The Yxy color **73.0415, 0.4016, 0.4166** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.0690, 0.2281, 0.2206**, and the grayscale version is **71.2296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2828, 0.3544, 0.3979**, and **38.4947, 0.4205, 0.4343** is the 20% darker color. If you saturate the color by 10%, you get **68.5781, 0.4218, 0.4320**, and if you desaturate by 10%, it is **77.8617, 0.3813, 0.3992**.

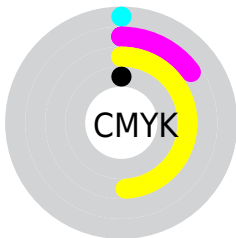
Distribution



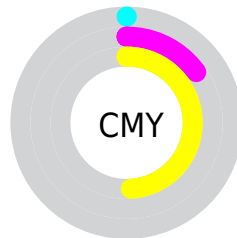
- Red (100%)
- Green (85%)
- Blue (51%)



- Red (72%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (15%)
- Yellow (49%)
- Black (0%)





- Cyan (0%)
- Magenta (15%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0415, 0.4016, 0.4166 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 73.0415, 0.4016, 0.4166 by changing the saturation by 10% instead.

 73.0415, 0.4016,
0.4166

 73.0415, 0.4016,
0.4166


471.1586, 0.3617,
0.3777


 54.0099, 0.4101,
0.4248


 123.5361, 0.3882,
0.4036

 38.6096, 0.4201,
0.4344


 155.7679, 0.3829,
0.3984

 26.4561, 0.4321,
0.4457


 193.1686, 0.3782,
0.3939

 17.1652, 0.4463,
0.4590

236.1225, 0.3741,
0.3899

 10.3523, 0.4629,
0.4740

285.0141, 0.3705,
0.3863

 5.6332, 0.4902,
0.4989

340.2277, 0.3672,

 2.6233, 0.4980,

0.3831

0.5020

402.1478, 0.3643,
0.3803

■ 0.9384, 0.5023,
0.4977

■ 0.0000, 0.0000,
0.0000

■ 73.0415, 0.4016,
0.4166

■ 73.0415, 0.4016,
0.4166

■ 68.5781, 0.4218,
0.4320

■ 77.8617, 0.3813,
0.3992

■ 64.4483, 0.4410,
0.4441

■ 83.0444, 0.3617,
0.3808

■ 60.6379, 0.4583,
0.4521

■ 88.6050, 0.3433,
0.3622

■ 57.1273, 0.4728,
0.4550

■ 94.5554, 0.3262,
0.3440

■ 53.8893, 0.4841,
0.4531

100.0000, 0.3127,
0.3290

■ 53.4563, 0.4855,
0.4527

Harmonies

Analogous

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



73.0415, 0.4256, 0.3795



73.0415, 0.4016, 0.4166



73.0415, 0.3546, 0.4330

Triad

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



73.0415, 0.4016, 0.4166



73.0415, 0.2184, 0.3084



73.0415, 0.3188, 0.2600

Complementary

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



73.0415, 0.4016, 0.4166



40.0690, 0.2281, 0.2206

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.



73.0415, 0.2647, 0.2416



73.0415, 0.4016, 0.4166



73.0415, 0.2109, 0.2643

Square

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



73.0415, 0.4016, 0.4166



73.0415, 0.2494, 0.3660



73.0415, 0.2269, 0.2422



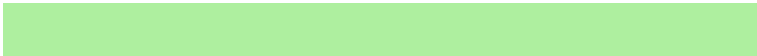
73.0415, 0.3761, 0.2932

Rectangle

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



73.0415, 0.4016, 0.4166



73.0415, 0.3174, 0.4253



73.0415, 0.2269, 0.2422



73.0415, 0.2996, 0.2520

Sweetspot

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



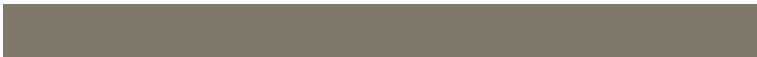
73.0442, 0.4016, 0.4166



90.7078, 0.3369, 0.3556



40.3400, 0.4068, 0.2907



19.1511, 0.3406, 0.3594



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.



73.0442, 0.4016, 0.4166



68.8409, 0.4206, 0.4311



90.0174, 0.3672, 0.4555



20.1214, 0.3277, 0.3456



28.2055, 0.4842, 0.4538



2.9373, 0.4750, 0.4611

Inverse Universe

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



40.0690, 0.2281, 0.2206



32.5637, 0.2112, 0.1952



30.5157, 0.2361, 0.1808



18.2614, 0.2979, 0.3118



6.7070, 0.1608, 0.0990



0.8340, 0.1669, 0.1209

Previews

White Background



This preview shows how the Yxy color 73.0415, 0.4016, 0.4166 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 73.0415, 0.4016, 0.4166 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 73.0415, 0.4016, 0.4166

Background



This preview shows how black text looks on a background with the Yxy color 73.0415, 0.4016, 0.4166.



This preview shows how white text looks on a background with the Yxy color 73.0415, 0.4016, 0.4166.

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

73.0415, 0.4016, 0.4166

Protanopia

72.9907, 0.3890, 0.4218

Deuteranopia

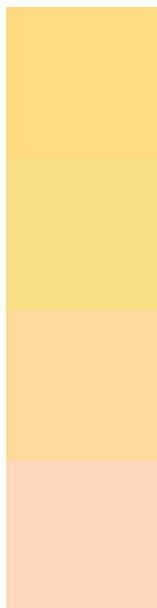
73.2363, 0.3760, 0.3775



Tritanopia

73.1762, 0.3372, 0.3170

Trichromacy



Original Color

73.0415, 0.4016, 0.4166

Protanomaly

73.1530, 0.3933, 0.4207

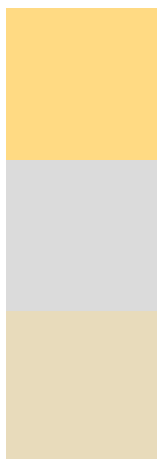
Deuteranomaly

73.2523, 0.3857, 0.3926

Tritanomaly

73.0708, 0.3611, 0.3538

Monochromacy



Original Color

73.0415, 0.4016, 0.4166

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.4067, 0.3444, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.0415, 0.4016, 0.4166 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, 218, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 131)  
}
```

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, 218, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 131) }
```

Border

The CSS property to change the border of an element to Yxy 73.0415, 0.4016, 0.4166 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, 218, 131) }
```

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

```
.border{ border-color:rgb(255, 218, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 218, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 73.0415, 0.4016, 0.4166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 131) }
```

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

```
.background{ background-color: rgb(255,  
218, 131) }
```

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