

Converting Colors

$Y_{xy}(73.4870, 0.4156, 0.4398)$

Have a look what the booklet for
Yxy(73.4870, 0.4156, 0.4398)
contains.

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Color

Yxy(73.4870, 0.4156, 0.4398)

Conversions

Conversions Part 1

Format	Color
Hex	FFDC6A
RGB	255, 220, 106
RGB Percent	100%, 86%, 42%
CMY	0.0000, 0.1373, 0.5843
CMYK	0.00, 0.14, 0.58, 0.00
HSL	46°, 100%, 71%
HSV	46°, 58%, 100%
XYZ	69.4434, 73.4870, 24.1615
YIQ	217.4690, 57.4540, -28.0340

Conversions

Conversions Part 2

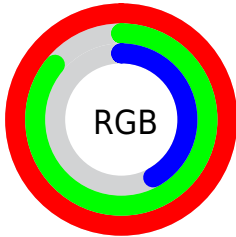
Format	Color
RYB	152, 255, 106
Decimal	16768106
CIELab	88.68, -0.87, 59.40
CIELCh	89, 59.405, 90.840
Yxy	73.4870, 0.4156, 0.4398
Android (android.graphics.Color)	4294958186 (0xFFFFDC6A)
YUV	217.4690, -54.9542, 32.9147
Hunter-Lab	85.7246, -5.4195, 43.2963

Details

The Yxy color **73.4870, 0.4156, 0.4398** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **29.3384, 0.2077, 0.1818**, and the grayscale version is **70.0799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3181, 0.3689, 0.4219**, and **38.7603, 0.4347, 0.4606** is the 20% darker color. If you saturate the color by 10%, you get **69.9420, 0.4324, 0.4531**, and if you desaturate by 10%, it is **77.2978, 0.3974, 0.4233**.

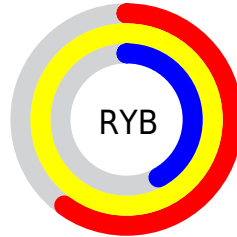
Distribution



Red (100%)

Green (86%)

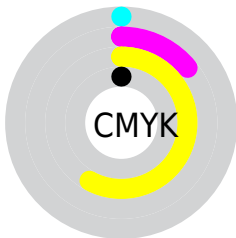
Blue (42%)



Red (60%)

Yellow (100%)

Blue (42%)

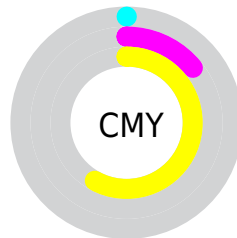


Cyan (0%)

Magenta (14%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (14%)


Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4870, 0.4156, 0.4398 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 73.4870, 0.4156, 0.4398 by changing the saturation by 10% instead.


 73.4870, 0.4156,
0.4398

 73.4870, 0.4156,
0.4398


472.7009, 0.3709,
0.3915


 54.3743, 0.4245,
0.4495


 124.1683, 0.4010,
0.4240


 38.9010, 0.4347,
0.4606

 156.5057, 0.3951,
0.4175

 26.6827, 0.4462,
0.4733


 194.0201, 0.3898,
0.4119

 17.3351, 0.4587,
0.4872

 237.0959, 0.3852,
0.4068

 10.4737, 0.4727,
0.5029

286.1175, 0.3810,
0.4023

 5.7141, 0.4839,
0.5161

341.4692, 0.3773,

 2.6720, 0.4829,

0.3983

0.5171

403.5356, 0.3739,
0.3947

■ 0.9630, 0.4811,
0.5189

■ 0.0000, 0.0000,
0.0000

■ 73.4870, 0.4156,
0.4398

■ 73.4870, 0.4156,
0.4398

■ 69.9420, 0.4324,
0.4531

■ 77.2978, 0.3974,
0.4233

■ 66.6541, 0.4471,
0.4622

■ 81.3952, 0.3787,
0.4046

■ 63.6027, 0.4590,
0.4664

■ 85.7892, 0.3602,
0.3848

■ 60.7626, 0.4679,
0.4660

■ 90.4916, 0.3424,
0.3647

■ 60.3302, 0.4691,
0.4657

■ 95.5129, 0.3258,
0.3450

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.



73.4870, 0.4511, 0.3938



73.4870, 0.4156, 0.4398



73.4870, 0.3547, 0.4603

Triad

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



73.4870, 0.4156, 0.4398



73.4870, 0.1950, 0.2940



73.4870, 0.3278, 0.2488

Complementary

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



73.4870, 0.4156, 0.4398



29.3384, 0.2077, 0.1818

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.



73.4870, 0.2596, 0.2245



73.4870, 0.4156, 0.4398



73.4870, 0.1899, 0.2438

Square

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



73.4870, 0.4156, 0.4398



73.4870, 0.2282, 0.3667



73.4870, 0.2119, 0.2216



73.4870, 0.3992, 0.2898

Rectangle

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



73.4870, 0.4156, 0.4398



73.4870, 0.3087, 0.4486



73.4870, 0.2119, 0.2216



73.4870, 0.3036, 0.2386

Sweetspot

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



73.4847, 0.4156, 0.4398



90.6999, 0.3417, 0.3638



33.5608, 0.4475, 0.2924



19.1128, 0.3467, 0.3697



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.



73.4847, 0.4156, 0.4398



69.4087, 0.4349, 0.4548



87.4280, 0.3700, 0.4814



20.3246, 0.3275, 0.3471



31.7644, 0.4681, 0.4665



3.2593, 0.4614, 0.4719

Inverse Universe

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



29.3384, 0.2077, 0.1818



21.8372, 0.1880, 0.1487



23.3924, 0.2227, 0.1507



18.0703, 0.2979, 0.3103



5.6443, 0.1571, 0.0855



0.7083, 0.1628, 0.1059

Previews

White Background



This preview shows how the Yxy color 73.4870, 0.4156, 0.4398 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 73.4870, 0.4156, 0.4398 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 73.4870, 0.4156, 0.4398

Background



This preview shows how black text looks on a background with the Yxy color 73.4870, 0.4156, 0.4398.



This preview shows how white text looks on a background with the Yxy color 73.4870, 0.4156, 0.4398.

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

73.4870, 0.4156, 0.4398

Protanopia

73.6110, 0.4071, 0.4446

Deuteranopia

73.6757, 0.3771, 0.3805



Tritanopia

73.1762, 0.3372, 0.3170

Trichromacy



Original Color

73.4870, 0.4156, 0.4398

Protanomaly

73.6281, 0.4100, 0.4426

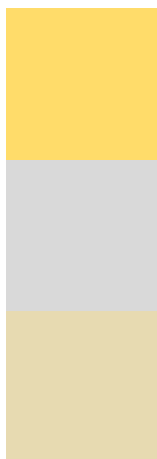
Deuteranomaly

73.4471, 0.3923, 0.4034

Tritanomaly

72.6484, 0.3685, 0.3642

Monochromacy



Original Color

73.4870, 0.4156, 0.4398

Achromatopsia

69.3872, 0.3127, 0.3290

Achromatomaly

70.3061, 0.3509, 0.3741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4870, 0.4156, 0.4398 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, 220, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 106)  
}
```

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, 220, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 106) }
```

Border

The CSS property to change the border of an element to Yxy 73.4870, 0.4156, 0.4398 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, 220, 106) }
```

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

```
.border{ border-color:rgb(255, 220, 106) }
```

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

Here you see how a box with a 4 pixel rgb(255, 220, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 106);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4870, 0.4156, 0.4398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 106) }
```

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

```
.background{ background-color: rgb(255,  
220, 106) }
```

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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