

Converting Colors

$Y_{xy}(79.7838, 0.4313, 0.4266)$

Have a look what the booklet for
Yxy(79.7838, 0.4313, 0.4266)
contains.

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Color

Yxy(74.1428, 0.4116, 0.4358)

Conversions

Conversions Part 1

Format	Color
Hex	FFDD70
RGB	255, 221, 112
RGB Percent	100%, 87%, 44%
CMY	0.0000, 0.1333, 0.5606
CMYK	0.00, 0.13, 0.56, 0.00
HSL	46°, 100%, 72%
HSV	46°, 56%, 100%
XYZ	70.0256, 74.1428, 25.9619
YIQ	218.7400, 55.2530, -26.6910

Conversions

Conversions Part 2

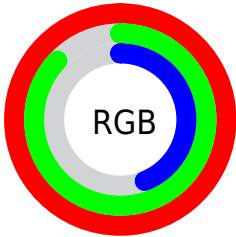
Format	Color
RYB	157, 255, 112
Decimal	16768368
CIELab	88.99, -0.95, 57.00
CIELCh	89, 57.006, 90.959
Yxy	74.1428, 0.4116, 0.4358
Android (android.graphics.Color)	4294958448 (0xFFFFDD70)
YUV	218.7400, -52.6228, 31.8000
Hunter-Lab	86.1062, -5.5212, 42.3978

Details

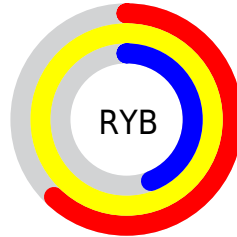
The Yxy color **74.1428, 0.4116, 0.4358** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.2391, 0.2122, 0.1893**, and the grayscale version is **70.9952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5332, 0.3655, 0.4162**, and **39.1903, 0.4300, 0.4564** is the 20% darker color. If you saturate the color by 10%, you get **70.5095, 0.4290, 0.4499**, and if you desaturate by 10%, it is **78.0562, 0.3931, 0.4187**.

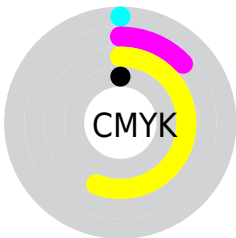
Distribution



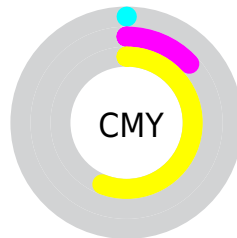
- Red (100%)
- Green (87%)
- Blue (44%)



- Red (62%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (13%)
- Yellow (56%)
- Black (0%)




- Cyan (0%)
- Magenta (13%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.1428, 0.4116, 0.4358 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 74.1428, 0.4116, 0.4358 by changing the saturation by 10% instead.


 74.1428, 0.4116,
0.4358

 74.1428, 0.4116,
0.4358


474.9661, 0.3685,
0.3890


 54.9109, 0.4203,
0.4453


 125.0982, 0.3975,
0.4204

 39.3304, 0.4303,
0.4563


 157.5905, 0.3917,
0.4141

 27.0169, 0.4418,
0.4689


 195.2718, 0.3866,
0.4087

 17.5859, 0.4545,
0.4831

238.5264, 0.3821,
0.4038

 10.6531, 0.4681,
0.4985

287.7388, 0.3782,
0.3995

 5.8341, 0.4836,
0.5164

343.2932, 0.3746,

 2.7444, 0.4825,

0.3956

0.5175

405.5742, 0.3714,
0.3921

■ 0.9998, 0.4806,
0.5194

■ 0.0000, 0.0000,
0.0000

■ 74.1428, 0.4116,
0.4358

■ 74.1428, 0.4116,
0.4358

■ 70.5095, 0.4290,
0.4499

■ 78.0562, 0.3931,
0.4187

■ 67.1357, 0.4443,
0.4600

■ 82.2578, 0.3743,
0.3997

■ 64.0057, 0.4570,
0.4654

■ 86.7619, 0.3559,
0.3799

■ 61.0980, 0.4666,
0.4658

■ 91.5796, 0.3384,
0.3599

60.0013, 0.4699,
0.4651

96.7216, 0.3220,
0.3404

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.



74.1428, 0.4454, 0.3921



74.1428, 0.4116, 0.4358



74.1428, 0.3532, 0.4544

Triad

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



74.1428, 0.4116, 0.4358



74.1428, 0.1994, 0.2956



74.1428, 0.3276, 0.2520

Complementary

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



74.1428, 0.4116, 0.4358



31.2391, 0.2122, 0.1893

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.



74.1428, 0.2621, 0.2284



74.1428, 0.4116, 0.4358



74.1428, 0.1944, 0.2472

Square

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



74.1428, 0.4116, 0.4358



74.1428, 0.2316, 0.3649



74.1428, 0.2158, 0.2256



74.1428, 0.3957, 0.2917

Rectangle

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



74.1428, 0.4116, 0.4358



74.1428, 0.3090, 0.4427



74.1428, 0.2158, 0.2256



74.1428, 0.3044, 0.2420

Sweetspot

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



74.1446, 0.4116, 0.4358



91.1133, 0.3400, 0.3617



34.9897, 0.4390, 0.2933



19.2906, 0.3435, 0.3657



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.



74.1446, 0.4116, 0.4358



70.1817, 0.4305, 0.4510



87.7915, 0.3685, 0.4759



20.3154, 0.3275, 0.3470



31.5943, 0.4688, 0.4659



3.2440, 0.4620, 0.4714

Inverse Universe

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



31.2391, 0.2122, 0.1893



23.7240, 0.1930, 0.1577



25.0942, 0.2270, 0.1582



18.0789, 0.2979, 0.3103



5.6866, 0.1573, 0.0861



0.7136, 0.1629, 0.1065

Previews

White Background



This preview shows how the Yxy color 74.1428, 0.4116, 0.4358 looks on a white background.

Color Contrast Check

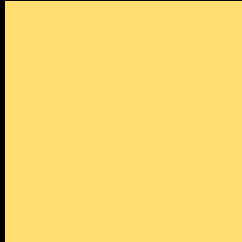
Large Text (above 18pt) WCAG AA × Fail

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 74.1428, 0.4116, 0.4358 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 74.1428, 0.4116, 0.4358

Background



This preview shows how black text looks on a background with the Yxy color 74.1428, 0.4116, 0.4358.



This preview shows how white text looks on a background with the Yxy color 74.1428, 0.4116, 0.4358.

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

74.1428, 0.4116, 0.4358

Protanopia

74.2777, 0.4032, 0.4404

Deuteranopia

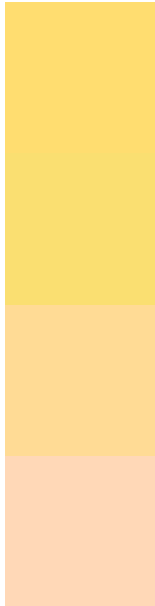
74.3051, 0.3746, 0.3784



Tritanopia

74.2303, 0.3362, 0.3180

Trichromacy



Original Color

74.1428, 0.4116, 0.4358

Protanomaly

74.2916, 0.4060, 0.4385

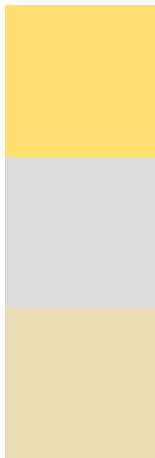
Deuteranomaly

74.0930, 0.3891, 0.4004

Tritanomaly

73.7906, 0.3658, 0.3630

Monochromacy



Original Color

74.1428, 0.4116, 0.4358

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.6375, 0.3491, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.1428, 0.4116, 0.4358 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, 221, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 112)  
}
```

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, 221, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 112) }
```

Border

The CSS property to change the border of an element to Yxy 74.1428, 0.4116, 0.4358 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, 221, 112) }
```

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

```
.border{ border-color:rgb(255, 221, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 74.1428, 0.4116, 0.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 112) }
```

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

```
.background{ background-color: rgb(255,  
221, 112) }
```

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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