

Converting Colors

$Yxy(71.4344, 0.4138, 0.4301)$

Have a look what the booklet for
Yxy(71.4344, 0.4138, 0.4301)
contains.

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Color

Yxy(71.5640, 0.4139, 0.4307)

Conversions

Conversions Part 1

Format	Color
Hex	FFD871
RGB	255, 216, 113
RGB Percent	100%, 85%, 44%
CMY	0.0001, 0.1529, 0.5567
CMYK	0.00, 0.15, 0.56, 0.00
HSL	44°, 100%, 72%
HSV	44°, 56%, 100%
XYZ	68.7726, 71.5640, 25.8209
YIQ	215.9190, 56.3070, -23.7650

Conversions

Conversions Part 2

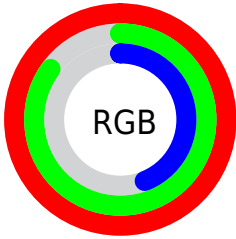
Format	Color
RYB	167, 255, 113
Decimal	16767089
CIELab	87.76, 1.64, 55.10
CIElCh	88, 55.124, 88.290
Yxy	71.5640, 0.4139, 0.4307
Android (android.graphics.Color)	4294957169 (0xFFFFD871)
YUV	215.9190, -50.7391, 34.2740
Hunter-Lab	84.5955, -2.9292, 41.1199

Details

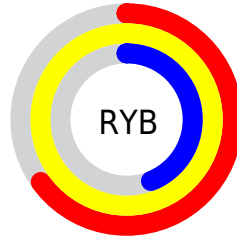
The Yxy color **71.5640, 0.4139, 0.4307** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.1890, 0.2143, 0.1971**, and the grayscale version is **68.9377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **37.4181, 0.4341, 0.4504** is the 20% darker color. If you saturate the color by 10%, you get **67.5603, 0.4326, 0.4443**, and if you desaturate by 10%, it is **75.8886, 0.3943, 0.4142**.

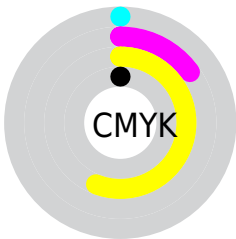
Distribution



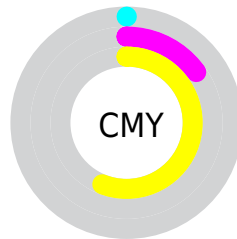
- Red (100%)
- Green (85%)
- Blue (44%)



- Red (65%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (15%)
- Yellow (56%)
- Black (0%)





- Cyan (0%)
- Magenta (15%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.5640, 0.4139, 0.4307 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 71.5640, 0.4139, 0.4307 by changing the saturation by 10% instead.


 71.5640, 0.4139,
0.4307


 71.5640, 0.4139,
0.4307

466.0226, 0.3691,
0.3861

 52.8026, 0.4231,
0.4398

 121.4365, 0.3991,
0.4160

 37.6452, 0.4338,
0.4502


 153.3163, 0.3931,
0.4101

 25.7074, 0.4462,
0.4622


 190.3377, 0.3878,
0.4048

 16.6049, 0.4602,
0.4756

232.8851, 0.3832,
0.4002

 9.9532, 0.4757,
0.4899

281.3429, 0.3791,
0.3961

 5.3679, 0.4938,
0.5062

336.0955, 0.3754,

 2.4647, 0.4957,

0.3924

0.5043

397.5273, 0.3721,
0.3891

■ 0.8589, 0.4993,
0.5007

■ 0.0000, 0.0000,
0.0000

■ 71.5640, 0.4139,
0.4307

■ 71.5640, 0.4139,
0.4307

■ 67.5603, 0.4326,
0.4443

■ 75.8886, 0.3943,
0.4142

■ 63.8516, 0.4496,
0.4540

■ 80.5380, 0.3747,
0.3959

■ 60.4230, 0.4639,
0.4589

■ 85.5286, 0.3558,
0.3768

■ 57.2526, 0.4751,
0.4588

■ 90.8723, 0.3379,
0.3577

■ 55.9465, 0.4792,
0.4577

■ 96.5803, 0.3214,
0.3391

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



71.5640, 0.4439, 0.3869



71.5640, 0.4139, 0.4307



71.5640, 0.3583, 0.4515

Triad

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



71.5640, 0.4139, 0.4307



71.5640, 0.2033, 0.3019



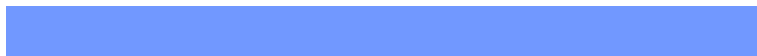
71.5640, 0.3213, 0.2506

Complementary

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



71.5640, 0.4139, 0.4307



33.1890, 0.2143, 0.1971

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.



71.5640, 0.2582, 0.2291



71.5640, 0.4139, 0.4307



71.5640, 0.1960, 0.2521

Square

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



71.5640, 0.4139, 0.4307



71.5640, 0.2373, 0.3704



71.5640, 0.2148, 0.2285



71.5640, 0.3886, 0.2885

Rectangle

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



71.5640, 0.4139, 0.4307



71.5640, 0.3150, 0.4428



71.5640, 0.2148, 0.2285



71.5640, 0.2988, 0.2414

Sweetspot

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



71.5674, 0.4139, 0.4307



90.1565, 0.3403, 0.3602



35.3825, 0.4316, 0.2886



19.0633, 0.3438, 0.3640



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.



71.5674, 0.4139, 0.4307



67.0619, 0.4350, 0.4459



88.5834, 0.3715, 0.4732



20.1978, 0.3276, 0.3462



29.5010, 0.4780, 0.4587



3.0551, 0.4697, 0.4652

Inverse Universe

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



33.1890, 0.2143, 0.1971



25.3584, 0.1949, 0.1656



24.9472, 0.2243, 0.1580



18.1892, 0.2979, 0.3112



6.2737, 0.1593, 0.0936



0.7839, 0.1653, 0.1150

Previews

White Background



This preview shows how the Yxy color 71.5640, 0.4139, 0.4307 looks on a white background.

Color Contrast Check

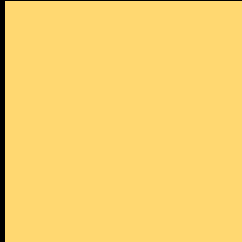
Large Text (above 18pt) WCAG AA × Fail

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 71.5640, 0.4139, 0.4307 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 71.5640, 0.4139, 0.4307

Background



This preview shows how black text looks on a background with the Yxy color 71.5640, 0.4139, 0.4307.



This preview shows how white text looks on a background with the Yxy color 71.5640, 0.4139, 0.4307.

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

71.5640, 0.4139, 0.4307

Protanopia

71.4560, 0.4017, 0.4376

Deuteranopia

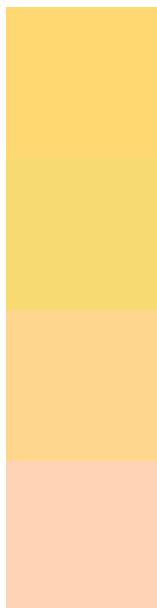
71.3517, 0.3844, 0.3847



Tritanopia

71.5391, 0.3399, 0.3169

Trichromacy



Original Color

71.5640, 0.4139, 0.4307

Protanomaly

71.6521, 0.4054, 0.4353

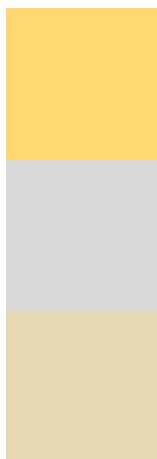
Deuteranomaly

71.3061, 0.3961, 0.4026

Tritanomaly

71.1847, 0.3687, 0.3601

Monochromacy



Original Color

71.5640, 0.4139, 0.4307

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.1894, 0.3492, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.5640, 0.4139, 0.4307 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, 216, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 113)  
}
```

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, 216, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 113) }
```

Border

The CSS property to change the border of an element to Yxy 71.5640, 0.4139, 0.4307 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, 216, 113) }
```

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

```
.border{ border-color:rgb(255, 216, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 216, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 216, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 216, 113); box-shadow:4px 4px 4px 4px rgb(255, 216, 113) }
```


Background

The CSS property to change the background color of an element to Yxy 71.5640, 0.4139, 0.4307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 216, 113) }
```

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

```
.background{ background-color: rgb(255,  
216, 113) }
```

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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