

Converting Colors

$Y_{xy}(100.0000, 0.4957, 0.3999)$

Have a look what the booklet for
Yxy(100.0000, 0.4957, 0.3999)
contains.

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Color

Yxy(71.3917, 0.4186, 0.4372)

Conversions

Conversions Part 1

Format	Color
Hex	FFD869
RGB	255, 216, 105
RGB Percent	100%, 85%, 41%
CMY	0.0000, 0.1530, 0.5882
CMYK	0.00, 0.15, 0.59, 0.00
HSL	44°, 100%, 71%
HSV	44°, 59%, 100%
XYZ	68.3545, 71.3917, 23.5469
YIQ	215.0070, 58.8750, -26.2530

Conversions

Conversions Part 2

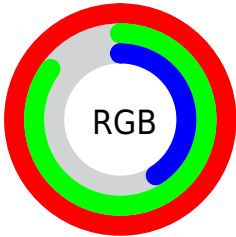
Format	Color
R_{YB}	158, 255, 105
Decimal	16767081
CIE _{Lab}	87.67, 1.09, 58.70
CIE _{LCh}	88, 58.712, 88.934
Yxy	71.3917, 0.4186, 0.4372
Android (android.graphics.Color)	4294957161 (0xFFFFD869)
YUV	215.0070, -54.2335, 35.0739
Hunter-Lab	84.4936, -3.4592, 42.6225

Details

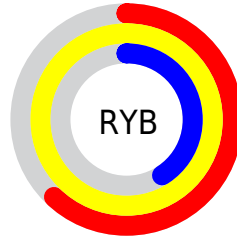
The Yxy color **71.3917, 0.4186, 0.4372** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.1790, 0.2081, 0.1855**, and the grayscale version is **68.3034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2832, 0.3695, 0.4228**, and **37.3309, 0.4392, 0.4573** is the 20% darker color. If you saturate the color by 10%, you get **67.6116, 0.4363, 0.4500**, and if you desaturate by 10%, it is **75.4620, 0.3996, 0.4212**.

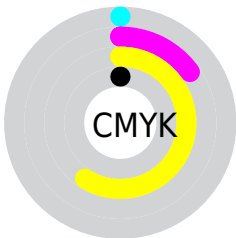
Distribution



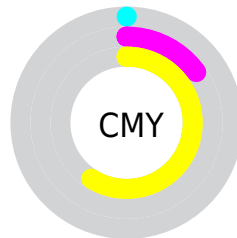
- Red (100%)
- Green (85%)
- Blue (41%)



- Red (62%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (15%)
- Yellow (59%)
- Black (0%)





- Cyan (0%)
- Magenta (15%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.3917, 0.4186, 0.4372 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 71.3917, 0.4186, 0.4372 by changing the saturation by 10% instead.

 71.3917, 0.4186,
0.4372


 71.3917, 0.4186,
0.4372


465.4216, 0.3722,
0.3900


 52.6619, 0.4280,
0.4466


 121.1913, 0.4034,
0.4218

 37.5329, 0.4387,
0.4574


 153.0299, 0.3972,
0.4155

 25.6204, 0.4509,
0.4695


 190.0069, 0.3917,
0.4100

 16.5399, 0.4643,
0.4827

 232.5067, 0.3869,
0.4051

 9.9070, 0.4800,
0.4980

280.9136, 0.3826,
0.4007

 5.3373, 0.4916,
0.5084

335.6122, 0.3788,

 2.4465, 0.4929,

0.3968

0.5071

396.9867, 0.3753,
0.3932

0.8497, 0.4954,
0.5046

0.0000, 0.0000,
0.0000

71.3917, 0.4186,
0.4372

71.3917, 0.4186,
0.4372

67.6116, 0.4363,
0.4500

75.4620, 0.3996,
0.4212

64.1118, 0.4519,
0.4584


79.8430, 0.3803,
0.4031

60.8713, 0.4647,
0.4620

84.5455, 0.3614,
0.3838

57.8636, 0.4744,
0.4609

89.5817, 0.3433,
0.3643

 57.5187, 0.4755,
0.4607

 94.9625, 0.3264,
0.3452

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.



71.3917, 0.4518, 0.3904



71.3917, 0.4186, 0.4372



71.3917, 0.3589, 0.4599

Triad

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



71.3917, 0.4186, 0.4372



71.3917, 0.1965, 0.2982



71.3917, 0.3231, 0.2469

Complementary

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



71.3917, 0.4186, 0.4372



30.1790, 0.2081, 0.1855

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.



71.3917, 0.2560, 0.2239



71.3917, 0.4186, 0.4372



71.3917, 0.1896, 0.2463

Square

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



71.3917, 0.4186, 0.4372



71.3917, 0.2314, 0.3715



71.3917, 0.2099, 0.2224



71.3917, 0.3949, 0.2869

Rectangle

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



71.3917, 0.4186, 0.4372



71.3917, 0.3131, 0.4504



71.3917, 0.2099, 0.2224



71.3917, 0.2991, 0.2371

Sweetspot

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



71.3897, 0.4186, 0.4372



90.0072, 0.3419, 0.3627



33.4124, 0.4456, 0.2897



18.9423, 0.3470, 0.3684



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.



71.3897, 0.4186, 0.4372



66.8238, 0.4399, 0.4522



87.7568, 0.3720, 0.4813



20.2441, 0.3276, 0.3465



30.3098, 0.4743, 0.4616



3.1283, 0.4667, 0.4677

Inverse Universe

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



30.1790, 0.2081, 0.1855



22.3572, 0.1878, 0.1515



22.9044, 0.2202, 0.1487



18.1457, 0.2979, 0.3109



6.0315, 0.1585, 0.0905



0.7553, 0.1643, 0.1116

Previews

White Background



This preview shows how the Yxy color 71.3917, 0.4186, 0.4372 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 71.3917, 0.4186, 0.4372 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 71.3917, 0.4186, 0.4372

Background



This preview shows how black text looks on a background with the Yxy color 71.3917, 0.4186, 0.4372.



This preview shows how white text looks on a background with the Yxy color 71.3917, 0.4186, 0.4372.

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

71.3917, 0.4186, 0.4372

Protanopia

71.2817, 0.4062, 0.4444

Deuteranopia

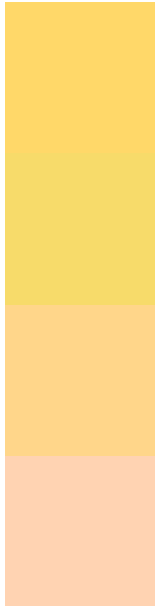
71.2828, 0.3859, 0.3868



Tritanopia

71.4862, 0.3406, 0.3179

Trichromacy



Original Color

71.3917, 0.4186, 0.4372

Protanomaly

71.4778, 0.4099, 0.4420

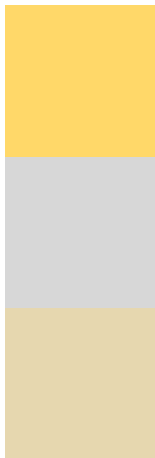
Deuteranomaly

71.1881, 0.3989, 0.4064

Tritanomaly

71.0629, 0.3709, 0.3632

Monochromacy



Original Color

71.3917, 0.4186, 0.4372

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.5190, 0.3523, 0.3733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3917, 0.4186, 0.4372 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 216, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 216, 105) }
```

Border

The CSS property to change the border of an element to Yxy 71.3917, 0.4186, 0.4372 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, 105) }
```

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

```
.border{ border-color:rgb(255, 216, 105) }
```

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, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 216, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 216, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 216,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3917, 0.4186, 0.4372 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, 105) }
```

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

```
.background{ background-color: rgb(255,  
216, 105) }
```

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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