

Converting Colors

$Y_{xy}(100.0000, 0.5043, 0.4057)$

Have a look what the booklet for
Yxy(100.0000, 0.5043, 0.4057)
contains.

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Color

Yxy(70.5821, 0.4277, 0.4483)

Conversions

Conversions Part 1

Format	Color
Hex	FFD759
RGB	255, 215, 89
RGB Percent	100%, 84%, 35%
CMY	0.0001, 0.1568, 0.6510
CMYK	0.00, 0.16, 0.65, 0.00
HSL	46°, 100%, 67%
HSV	46°, 65%, 100%
XYZ	67.3388, 70.5821, 19.5230
YIQ	212.5960, 64.2860, -30.7060

Conversions

Conversions Part 2

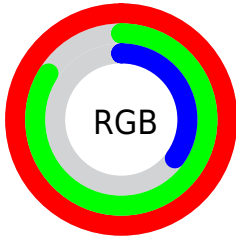
Format	Color
RYB	142, 255, 89
Decimal	16766809
CIELab	87.28, 0.56, 65.29
CIELCh	87, 65.296, 89.510
Yxy	70.5821, 0.4277, 0.4483
Android (android.graphics.Color)	4294956889 (0xFFFFD759)
YUV	212.5960, -60.9328, 37.1883
Hunter-Lab	84.0132, -3.9506, 45.0314

Details

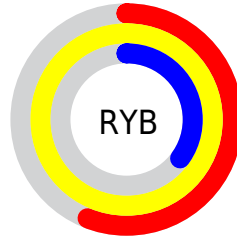
The Yxy color **70.5821, 0.4277, 0.4483** is a light color, and the websafe version is hex **FFCC66**. The color can be described as light muted yellow. A complement of this color would be **25.0327, 0.1963, 0.1637**, and the grayscale version is **66.6385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7936, 0.3777, 0.4365**, and **37.1856, 0.4480, 0.4695** is the 20% darker color. If you saturate the color by 10%, you get **67.1600, 0.4434, 0.4588**, and if you desaturate by 10%, it is **74.2766, 0.4101, 0.4339**.

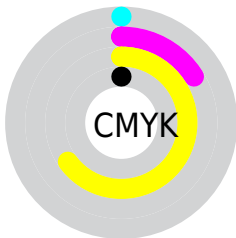
Distribution



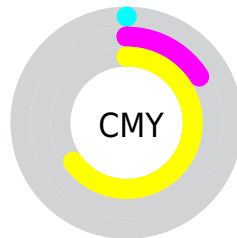
- Red (100%)
- Green (84%)
- Blue (35%)



- Red (56%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (16%)
- Yellow (65%)
- Black (0%)




- Cyan (0%)
- Magenta (16%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.5821, 0.4277, 0.4483 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 70.5821, 0.4277, 0.4483 by changing the saturation by 10% instead.


 70.5821, 0.4277,
0.4483


 70.5821, 0.4277,
0.4483


462.5912, 0.3782,
0.3971

 52.0012, 0.4373,
0.4582


 120.0385, 0.4118,
0.4319

 37.0061, 0.4480,
0.4692


 151.6828, 0.4052,
0.4250

 25.2122, 0.4597,
0.4811


 188.4504, 0.3993,
0.4190

 16.2352, 0.4718,
0.4934

 230.7257, 0.3941,
0.4136

 9.6907, 0.4891,
0.5109

278.8930, 0.3895,
0.4088

 5.1944, 0.4895,
0.5105

333.3367, 0.3853,

 2.3618, 0.4902,

0.4045

0.5098

394.4414, 0.3816,
0.4006

■ 0.8061, 0.4917,
0.5083

■ 0.0000, 0.0000,
0.0000

■ 70.5821, 0.4277,
0.4483

■ 70.5821, 0.4277,
0.4483

■ 67.1600, 0.4434,
0.4588

■ 74.2766, 0.4101,
0.4339

■ 63.9828, 0.4565,
0.4646

■ 78.2484, 0.3915,
0.4167

■ 61.0327, 0.4665,
0.4654

■ 82.5143, 0.3726,
0.3976

■ 59.6556, 0.4706,
0.4645

■ 87.0866, 0.3543,
0.3777

■ 91.9765, 0.3368,
0.3579

■ 97.1946, 0.3205,
0.3385

99.9968, 0.3127,
0.3290

Harmonies

Analogous

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



70.5821, 0.4664, 0.3957



70.5821, 0.4277, 0.4483



70.5821, 0.3610, 0.4756

Triad

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



70.5821, 0.4277, 0.4483



70.5821, 0.1843, 0.2922



70.5821, 0.3254, 0.2395

Complementary

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



70.5821, 0.4277, 0.4483



25.0327, 0.1963, 0.1637

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.



70.5821, 0.2509, 0.2141



70.5821, 0.4277, 0.4483



70.5821, 0.1780, 0.2361

Square

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



70.5821, 0.4277, 0.4483



70.5821, 0.2213, 0.3746



70.5821, 0.2003, 0.2116



70.5821, 0.4057, 0.2831

Rectangle

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



70.5821, 0.4277, 0.4483



70.5821, 0.3103, 0.4655



70.5821, 0.2003, 0.2116



70.5821, 0.2986, 0.2287

Sweetspot

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



70.5855, 0.4277, 0.4483



89.5530, 0.3452, 0.3676



30.0250, 0.4726, 0.2904



18.8764, 0.3502, 0.3732



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.



70.5855, 0.4277, 0.4483



66.2234, 0.4475, 0.4610



86.4492, 0.3737, 0.4960



20.3059, 0.3275, 0.3469



31.4201, 0.4696, 0.4654



3.2283, 0.4626, 0.4709

Inverse Universe

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



25.0327, 0.1963, 0.1637



17.9631, 0.1768, 0.1289



19.1469, 0.2106, 0.1305



18.0878, 0.2979, 0.3104



5.7307, 0.1574, 0.0867



0.7190, 0.1631, 0.1072

Previews

White Background



This preview shows how the Yxy color 70.5821, 0.4277, 0.4483 looks on a white background.

Color Contrast Check

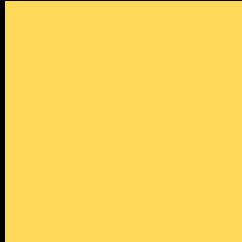
Large Text (above 18pt) WCAG AA × Fail

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 70.5821, 0.4277, 0.4483 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 70.5821, 0.4277, 0.4483

Background



This preview shows how black text looks on a background with the Yxy color 70.5821, 0.4277, 0.4483.



This preview shows how white text looks on a background with the Yxy color 70.5821, 0.4277, 0.4483.

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

70.5821, 0.4277, 0.4483

Protanopia

70.6343, 0.4160, 0.4556

Deuteranopia

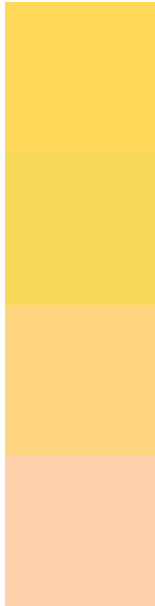
70.5813, 0.3906, 0.3918



Tritanopia

70.4646, 0.3416, 0.3169

Trichromacy



Original Color

70.5821, 0.4277, 0.4483

Protanomaly

70.8375, 0.4197, 0.4531

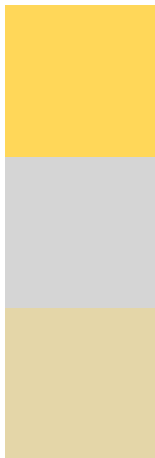
Deuteranomaly

70.4070, 0.4062, 0.4149

Tritanomaly

69.8012, 0.3769, 0.3685

Monochromacy



Original Color

70.5821, 0.4277, 0.4483

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

67.4143, 0.3560, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5821, 0.4277, 0.4483 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, 215, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 89)  
}
```

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, 215, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 89) }
```

Border

The CSS property to change the border of an element to Yxy 70.5821, 0.4277, 0.4483 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, 215, 89) }
```

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

```
.border{ border-color:rgb(255, 215, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
89) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.5821, 0.4277, 0.4483$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 89) }
```

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

```
.background{ background-color: rgb(255,  
215, 89) }
```

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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