

Converting Colors

$Y_{xy}(70.3713, 0.4406, 0.4817)$

Have a look what the booklet for
Yxy(70.3713, 0.4406, 0.4817)
contains.

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Color

Yxy(70.3713, 0.4406, 0.4817)

Conversions

Conversions Part 1

Format	Color
Hex	F9DA1D
RGB	249, 218, 29
RGB Percent	98%, 85%, 11%
CMY	0.0234, 0.1451, 0.8863
CMYK	0.00, 0.12, 0.88, 0.02
HSL	52°, 95%, 55%
HSV	52°, 88%, 98%
XYZ	64.3670, 70.3713, 11.3512
YIQ	205.7230, 79.1450, -52.2070

Conversions

Conversions Part 2

Format	Color
RYB	65, 249, 29
Decimal	16374301
CIELab	87.18, -5.65, 83.77
CIElCh	87, 83.956, 93.862
Yxy	70.3713, 0.4406, 0.4817
Android (android.graphics.Color)	4294564381 (0xFFFF9DA1D)
YUV	205.7230, -87.1244, 37.9539
Hunter-Lab	83.8876, -9.8401, 50.6986

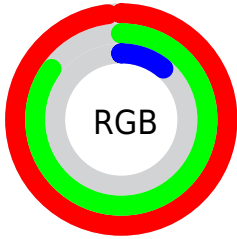
Details

The Yxy color **70.3713, 0.4406, 0.4817** is a light color, and the websafe version is hex **FFCC00**.

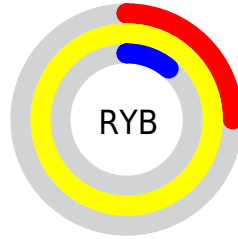
The color can be described as light washed yellow. A complement of this color would be **10.3354, 0.1600, 0.0860**, and the grayscale version is **62.0678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6618, 0.3994, 0.4723**, and **37.2423, 0.4437, 0.4859** is the 20% darker color. If you saturate the color by 10%, you get **68.4929, 0.4463, 0.4831**, and if you desaturate by 10%, it is **72.3920, 0.4321, 0.4759**.

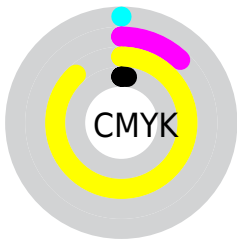
Distribution



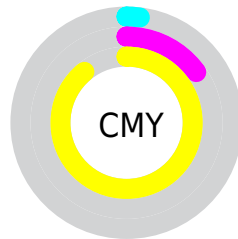
- Red (98%)
- Green (85%)
- Blue (11%)



- Red (25%)
- Yellow (98%)
- Blue (11%)



- Cyan (0%)
- Magenta (12%)
- Yellow (88%)
- Black (2%)





- Cyan (2%)
- Magenta (15%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.3713, 0.4406, 0.4817 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 70.3713, 0.4406, 0.4817 by changing the saturation by 10% instead.


 70.3713, 0.4406,
0.4817


 70.3713, 0.4406,
0.4817


461.8526, 0.3900,
0.4188

 51.8293, 0.4487,
0.4925


 119.7381, 0.4257,
0.4625

 36.8690, 0.4566,
0.5039


 151.3317, 0.4191,
0.4542


 25.1061, 0.4637,
0.5150


 188.0446, 0.4130,
0.4467

 16.1561, 0.4716,
0.5284

 230.2612, 0.4075,
0.4400

 9.6347, 0.4686,
0.5314

 278.3659, 0.4025,
0.4339

 5.1574, 0.4642,
0.5358

 332.7431, 0.3980,

 2.3399, 0.4572,

0.4284

0.5428

393.7772, 0.3938,
0.4233

■ 0.7947, 0.4372,
0.5628

■ 0.0000, 0.0000,
0.0000

■ 70.3713, 0.4406,
0.4817

■ 70.3713, 0.4406,
0.4817

■ 68.4929, 0.4463,
0.4831


■ 72.3920, 0.4321,
0.4759

■ 68.1922, 0.4471,
0.4832

■ 74.5676, 0.4209,
0.4655

■ 76.9180, 0.4072,
0.4509


■ 79.4568, 0.3917,
0.4330

 82.1963, 0.3752,
0.4126

 85.1474, 0.3582,
0.3909

 88.3202, 0.3415,
0.3687

 91.7240, 0.3254,
0.3467

 95.3675, 0.3103,
0.3256

Harmonies

Analogous

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



70.3713, 0.4999, 0.4139



70.3713, 0.4406, 0.4817



70.3713, 0.3536, 0.5193

Triad

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



70.3713, 0.4406, 0.4817



70.3713, 0.1514, 0.2657



70.3713, 0.3425, 0.2253

Complementary

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



70.3713, 0.4406, 0.4817



10.3354, 0.1600, 0.0860

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.



70.3713, 0.2458, 0.1916



70.3713, 0.4406, 0.4817



70.3713, 0.1503, 0.2052

Square

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



70.3713, 0.4406, 0.4817



70.3713, 0.1879, 0.3698



70.3713, 0.1811, 0.1834



70.3713, 0.4451, 0.2791

Rectangle

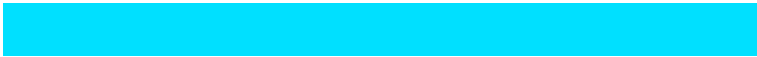
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.3713, 0.4406, 0.4817



70.3713, 0.2911, 0.5030



70.3713, 0.1811, 0.1834



70.3713, 0.3076, 0.2114

Sweetspot

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



70.3747, 0.4406, 0.4817



90.2927, 0.3560, 0.3879



21.3703, 0.5912, 0.3129



19.0907, 0.3618, 0.3955



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.



70.3747, 0.4406, 0.4817



71.9447, 0.4471, 0.4832



76.6282, 0.3625, 0.5434



19.7488, 0.3272, 0.3492



36.6531, 0.4466, 0.4836



3.5056, 0.4428, 0.4866

Inverse Universe

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



10.3354, 0.1600, 0.0860



8.4792, 0.1526, 0.0693



10.7834, 0.1883, 0.0864



17.0377, 0.2979, 0.3080



4.4272, 0.1531, 0.0711



0.5264, 0.1579, 0.0883

Previews

White Background



This preview shows how the Yxy color 70.3713, 0.4406, 0.4817 looks on a white background.

Color Contrast Check

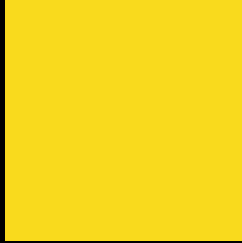
Large Text (above 18pt) WCAG AA × Fail

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 70.3713, 0.4406, 0.4817 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 70.3713, 0.4406, 0.4817

Background



This preview shows how black text looks on a background with the Yxy color 70.3713, 0.4406, 0.4817.



This preview shows how white text looks on a background with the Yxy color 70.3713, 0.4406, 0.4817.

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

70.3713, 0.4406, 0.4817

Protanopia

70.3446, 0.4375, 0.4842

Deuteranopia

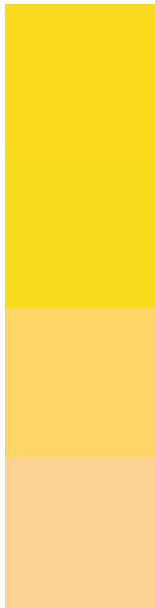
70.3913, 0.3949, 0.3977



Tritanopia

69.9846, 0.3418, 0.3159

Trichromacy



Original Color

70.3713, 0.4406, 0.4817

Protanomaly

70.5259, 0.4382, 0.4836

Deuteranomaly

69.9551, 0.4194, 0.4379

Tritanomaly

69.1458, 0.3913, 0.3923

Monochromacy



Original Color

70.3713, 0.4406, 0.4817

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

63.5758, 0.3711, 0.4064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3713, 0.4406, 0.4817 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(249, 218, 29)` looks like.

```
.text, #text, p{  
    color:rgb(249, 218, 29)  
}
```

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(249, 218, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 218, 29) }
```

Border

The CSS property to change the border of an element to Yxy 70.3713, 0.4406, 0.4817 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(249, 218, 29) }
```

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

```
.border{ border-color:rgb(249, 218, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 218, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 218, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 218, 29);  
box-shadow:4px 4px 4px 4px rgb(249, 218,  
29) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.3713, 0.4406, 0.4817$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 218, 29) }
```

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

```
.background{ background-color: rgb(249,  
218, 29) }
```

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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