

Converting Colors

$Y_{xy}(70.7274, 0.4472, 0.4785)$

Have a look what the booklet for
Yxy(70.7274, 0.4472, 0.4785)
contains.

Yxy(70.9476, 0.4468, 0.4788)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.9476, 0.4468, 0.4788)

Conversions

Conversions Part 1

Format	Color
Hex	FFD917
RGB	255, 217, 23
RGB Percent	100%, 85%, 9%
CMY	0.0000, 0.1490, 0.9091
CMYK	0.00, 0.15, 0.91, 0.00
HSL	50°, 100%, 55%
HSV	50°, 91%, 100%
XYZ	66.2059, 70.9476, 11.0244
YIQ	206.2460, 84.9220, -52.2780

Conversions

Conversions Part 2

Format	Color
RYB	68, 255, 23
Decimal	16767255
CIELab	87.46, -2.72, 85.16
CIELCh	87, 85.205, 91.831
Yxy	70.9476, 0.4468, 0.4788
Android (android.graphics.Color)	4294957335 (0xFFFFD917)
YUV	206.2460, -90.3403, 42.7573
Hunter-Lab	84.2304, -7.1005, 51.2011

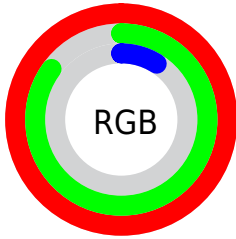
Details

The Yxy color **70.9476, 0.4468, 0.4788** 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 **10.7587, 0.1588, 0.0851**, and the grayscale version is **62.4520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **37.5318, 0.4498, 0.4811** is the 20% darker color. If you saturate the color by 10%, you get **68.9524, 0.4522, 0.4791**, and if you desaturate by 10%, it is **73.2888, 0.4383, 0.4746**.

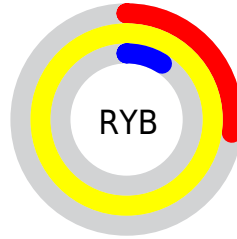
Distribution



Red (100%)

Green (85%)

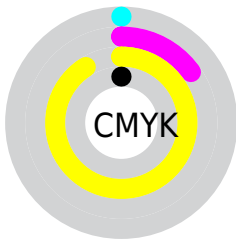
Blue (9%)



Red (27%)

Yellow (100%)

Blue (9%)

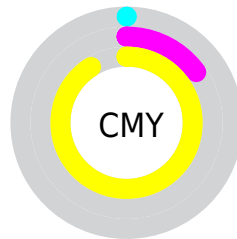


Cyan (0%)

Magenta (15%)

Yellow (91%)

Black (0%)



Cyan (0%)


Magenta (15%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9476, 0.4468, 0.4788 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 70.9476, 0.4468, 0.4788 by changing the saturation by 10% instead.


 70.9476, 0.4468,
0.4788

 70.9476, 0.4468,
0.4788

463.8702, 0.3937,
0.4183


 52.2994, 0.4553,
0.4889

 120.5591, 0.4311,
0.4606

 37.2438, 0.4638,
0.4992


 152.2912, 0.4242,
0.4527


 25.3963, 0.4715,
0.5090


 189.1535, 0.4178,
0.4455

 16.3726, 0.4798,
0.5202

 231.5302, 0.4120,
0.4389

 9.7882, 0.4784,
0.5216

 279.8059, 0.4068,
0.4330

 5.2587, 0.4763,
0.5237

 334.3649, 0.4020,

 2.3999, 0.4730,

0.4276

0.5270

395.5915, 0.3977,
0.4227

■ 0.8258, 0.4652,
0.5348

■ 0.0000, 0.0000,
0.0000

■ 70.9476, 0.4468,
0.4788

■ 70.9476, 0.4468,
0.4788


■ 68.9524, 0.4522,
0.4791


■ 73.2888, 0.4383,
0.4746

■ 75.8027, 0.4270,
0.4657


■ 78.5112, 0.4131,
0.4524


■ 81.4297, 0.3973,
0.4355

 84.5716, 0.3804,
0.4160

 87.9490, 0.3631,
0.3949

 91.5728, 0.3460,
0.3732

 95.4533, 0.3296,
0.3517

 99.5999, 0.3141,
0.3308

Harmonies

Analogous

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



70.9476, 0.5042, 0.4094



70.9476, 0.4468, 0.4788



70.9476, 0.3600, 0.5210

Triad

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



70.9476, 0.4468, 0.4788



70.9476, 0.1512, 0.2706



70.9476, 0.3354, 0.2212

Complementary

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



70.9476, 0.4468, 0.4788



10.7587, 0.1588, 0.0851

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.



70.9476, 0.2395, 0.1889



70.9476, 0.4468, 0.4788



70.9476, 0.1479, 0.2066

Square

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



70.9476, 0.4468, 0.4788



70.9476, 0.1904, 0.3784



70.9476, 0.1767, 0.1825



70.9476, 0.4405, 0.2743

Rectangle

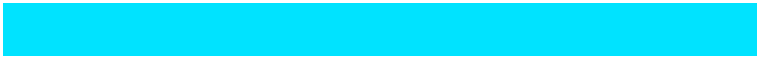
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.9476, 0.4468, 0.4788



70.9476, 0.2969, 0.5090



70.9476, 0.1767, 0.1825



70.9476, 0.3006, 0.2078

Sweetspot

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



70.9510, 0.4468, 0.4788



89.3443, 0.3564, 0.3865



22.2238, 0.5955, 0.3120



18.8636, 0.3623, 0.3939



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.



70.9510, 0.4468, 0.4788



68.9596, 0.4522, 0.4791



81.0070, 0.3643, 0.5443



20.5541, 0.3273, 0.3487



36.2211, 0.4516, 0.4796



3.6557, 0.4473, 0.4830

Inverse Universe

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



10.7587, 0.1588, 0.0851



8.8603, 0.1533, 0.0720



10.5747, 0.1826, 0.0816



17.8584, 0.2979, 0.3085



4.7701, 0.1539, 0.0739



0.5941, 0.1587, 0.0914

Previews

White Background



This preview shows how the Yxy color 70.9476, 0.4468, 0.4788 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 70.9476, 0.4468, 0.4788 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 70.9476, 0.4468, 0.4788

Background



This preview shows how black text looks on a background with the Yxy color 70.9476, 0.4468, 0.4788.



This preview shows how white text looks on a background with the Yxy color 70.9476, 0.4468, 0.4788.

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

70.9476, 0.4468, 0.4788

Protanopia

71.0265, 0.4381, 0.4854

Deuteranopia

70.9866, 0.3924, 0.3957



Tritanopia

70.9476, 0.3415, 0.3179

Trichromacy



Original Color

70.9476, 0.4468, 0.4788

Protanomaly

71.0530, 0.4412, 0.4829



Deuteranomaly

70.3324, 0.4210, 0.4371



Tritanomaly

69.9551, 0.3939, 0.3948

Monochromacy



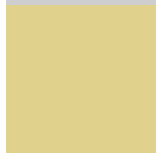
Original Color

70.9476, 0.4468, 0.4788



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

63.8339, 0.3742, 0.4081

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9476, 0.4468, 0.4788 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, 217, 23)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 23)  
}
```

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, 217, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 23) }
```

Border

The CSS property to change the border of an element to Yxy 70.9476, 0.4468, 0.4788 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, 217, 23) }
```

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

```
.border{ border-color:rgb(255, 217, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
23) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 70.9476, 0.4468, 0.4788$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 23) }
```

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

```
.background{ background-color: rgb(255,  
217, 23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor