

# Converting Colors

$Y_{xy}(72.8494, 0.4434, 0.4808)$

Have a look what the booklet for  
Yxy(72.8494, 0.4434, 0.4808)  
contains.

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# **Color**

**Yxy(73.0475, 0.4431, 0.4810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDD1A
RGB	255, 221, 26
RGB Percent	100%, 87%, 10%
CMY	0.0000, 0.1334, 0.8982
CMYK	0.00, 0.13, 0.90, 0.00
HSL	51°, 100%, 55%
HSV	51°, 90%, 100%
XYZ	67.2918, 73.0475, 11.5266
YIQ	208.9360, 82.8590, -53.4370

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	66, 255, 26
Decimal	16768282
CIE Lab	88.47, -4.67, 85.51
CIE LCh	88, 85.637, 93.126
Yxy	73.0475, 0.4431, 0.4810
Android (android.graphics.Color)	4294958362 (0xFFFFDD1A)
YUV	208.9360, -90.1874, 40.3981
Hunter-Lab	85.4678, -9.0295, 51.8313

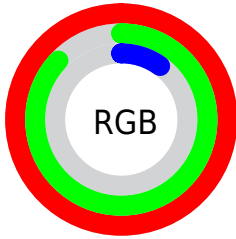
# Details

The Yxy color **73.0475, 0.4431, 0.4810** 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 **10.6664, 0.1590, 0.0844**, and the grayscale version is **64.2699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6618, 0.3994, 0.4723**, and **38.6099, 0.4464, 0.4838** is the 20% darker color. If you saturate the color by 10%, you get **70.9946, 0.4487, 0.4819**, and if you desaturate by 10%, it is **75.2350, 0.4348, 0.4761**.

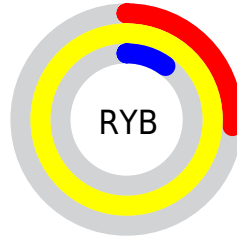
# Distribution



Red (100%)

Green (87%)

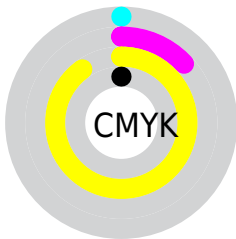
Blue (10%)



Red (26%)

Yellow (100%)

Blue (10%)

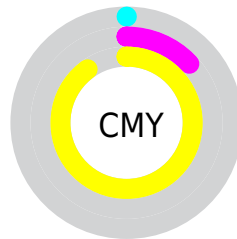


Cyan (0%)

Magenta (13%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (90%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0475, 0.4431, 0.4810 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 73.0475, 0.4431, 0.4810 by changing the saturation by 10% instead.





 73.0475, 0.4431,  
0.4810

 73.0475, 0.4431,  
0.4810


471.1794, 0.3919,  
0.4193


 54.0148, 0.4512,  
0.4914


 123.5446, 0.4281,  
0.4623


 38.6135, 0.4593,  
0.5023

 155.7779, 0.4214,  
0.4542

 26.4592, 0.4664,  
0.5128


 193.1801, 0.4153,  
0.4469

 17.1675, 0.4746,  
0.5254

 236.1356, 0.4097,  
0.4403

 10.3540, 0.4723,  
0.5277

 285.0290, 0.4046,  
0.4343

 5.6343, 0.4688,  
0.5312

 340.2444, 0.4000,

 2.6240, 0.4634,

0.4288

0.5366

402.1665, 0.3958,  
0.4238

■ 0.9387, 0.4530,  
0.5470

■ 0.0000, 0.0000,  
0.0000

■ 73.0475, 0.4431,  
0.4810

■ 73.0475, 0.4431,  
0.4810

■ 70.9946, 0.4487,  
0.4819

■ 75.2350, 0.4348,  
0.4761

■ 70.9589, 0.4488,  
0.4819


■ 77.5943, 0.4237,  
0.4665


■ 80.1402, 0.4101,  
0.4525

■ 82.8878, 0.3946,  
0.4351

 85.8504, 0.3780,  
0.4151

 89.0397, 0.3609,  
0.3937

 92.4665, 0.3440,  
0.3716

 96.1409, 0.3278,  
0.3498

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.



73.0475, 0.5019, 0.4123



73.0475, 0.4431, 0.4810



73.0475, 0.3560, 0.5205

# Triad

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



73.0475, 0.4431, 0.4810



73.0475, 0.1509, 0.2672



73.0475, 0.3400, 0.2235

# Complementary

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



73.0475, 0.4431, 0.4810



10.6664, 0.1590, 0.0844

# 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.



73.0475, 0.2433, 0.1903



73.0475, 0.4431, 0.4810



73.0475, 0.1490, 0.2053

# Square

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



73.0475, 0.4431, 0.4810



73.0475, 0.1885, 0.3730



73.0475, 0.1791, 0.1827



73.0475, 0.4439, 0.2772



# Rectangle

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



73.0475, 0.4431, 0.4810



73.0475, 0.2931, 0.5059



73.0475, 0.1791, 0.1827



73.0475, 0.3050, 0.2098

# Sweetspot

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



73.0447, 0.4431, 0.4810



89.9823, 0.3561, 0.3875



22.3263, 0.5964, 0.3138



19.0163, 0.3619, 0.3950



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.



73.0447, 0.4431, 0.4810



70.9589, 0.4488, 0.4819



80.6891, 0.3621, 0.5452



20.6040, 0.3273, 0.3491



37.2522, 0.4482, 0.4823



3.7466, 0.4444, 0.4853



# Inverse Universe

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



10.6664, 0.1590, 0.0844



8.5972, 0.1528, 0.0701



11.0282, 0.1863, 0.0843



17.8128, 0.2979, 0.3081



4.6219, 0.1533, 0.0719



0.5728, 0.1580, 0.0886



# Previews

## White Background



This preview shows how the Yxy color 73.0475, 0.4431, 0.4810 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 73.0475, 0.4431, 0.4810 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 73.0475, 0.4431, 0.4810**

## Background



This preview shows how black text looks on a background with the Yxy color 73.0475, 0.4431, 0.4810.



This preview shows how white text looks on a background with the Yxy color 73.0475, 0.4431, 0.4810.

# 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

73.0475, 0.4431, 0.4810

### Protanopia

73.1785, 0.4375, 0.4850

### Deuteranopia

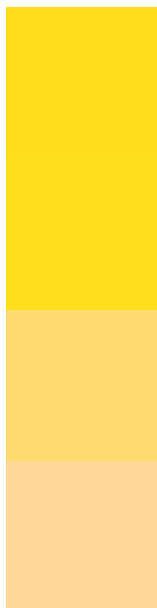
72.8749, 0.3833, 0.3876



## Tritanopia

73.1225, 0.3380, 0.3180

# Trichromacy



## Original Color

73.0475, 0.4431, 0.4810

## Protanomaly

73.0171, 0.4398, 0.4832

## Deuteranomaly

72.5505, 0.4139, 0.4341

## Tritanomaly

72.0952, 0.3894, 0.3947

# Monochromacy



## Original Color

73.0475, 0.4431, 0.4810

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

65.7102, 0.3732, 0.4085

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0475, 0.4431, 0.4810 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, 221, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 26)  
}
```

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, 221, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 26) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0475, 0.4431, 0.4810 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, 221, 26) }
```

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

```
.border{ border-color:rgb(255, 221, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
26) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 73.0475, 0.4431, 0.4810$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 26) }
```

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

```
.background{ background-color: rgb(255,  
221, 26) }
```

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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