

# Converting Colors

$Yxy(74.2376, 0.4401, 0.4856)$

Have a look what the booklet for  
Yxy(74.2376, 0.4401, 0.4856)  
contains.

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# **Color**

**Yxy(74.2376, 0.4401, 0.4856)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDE012
RGB	253, 224, 18
RGB Percent	99%, 88%, 7%
CMY	0.0077, 0.1216, 0.9290
CMYK	0.00, 0.11, 0.93, 0.01
HSL	53°, 98%, 53%
HSV	53°, 93%, 99%
XYZ	67.2816, 74.2376, 11.3588
YIQ	209.1870, 83.4100, -57.9180

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 253, 18
Decimal	16637970
CIE <sub>Lab</sub>	89.03, -7.12, 86.94
CIE <sub>LCh</sub>	89, 87.235, 94.685
Yxy	74.2376, 0.4401, 0.4856
Android (android.graphics.Color)	4294828050 (0xFFFDE012)
YUV	209.1870, -94.2552, 38.4240
Hunter-Lab	86.1612, -11.3950, 52.4965

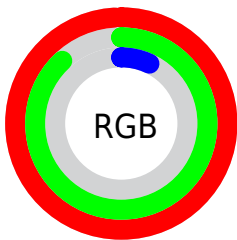
# Details

The Yxy color **74.2376, 0.4401, 0.4856** 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 **9.2671, 0.1558, 0.0760**, and the grayscale version is **64.4875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **39.4523, 0.4412, 0.4879** is the 20% darker color. If you saturate the color by 10%, you get **73.0027, 0.4434, 0.4862**, and if you desaturate by 10%, it is **76.0709, 0.4335, 0.4817**.

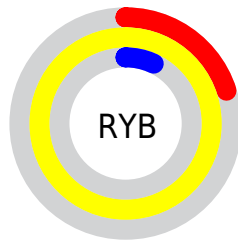
# Distribution



Red (99%)

Green (88%)

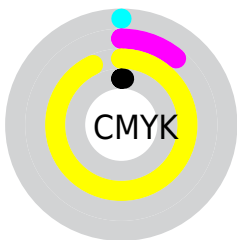
Blue (7%)



Red (20%)

Yellow (99%)

Blue (7%)

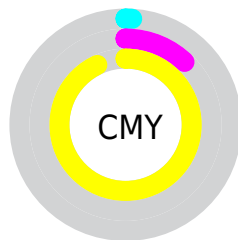


Cyan (0%)

Magenta (11%)

Yellow (93%)

Black (1%)



Cyan (1%)

Magenta (12%)


Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2376, 0.4401, 0.4856 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 74.2376, 0.4401, 0.4856 by changing the saturation by 10% instead.




 74.2376, 0.4401,  
0.4856

 74.2376, 0.4401,  
0.4856


475.2930, 0.3909,  
0.4219

 54.9885, 0.4477,  
0.4964

 125.2326, 0.4258,  
0.4663

 39.3925, 0.4550,  
0.5077


 157.7472, 0.4194,  
0.4579

 27.0652, 0.4613,  
0.5188


 195.4526, 0.4136,  
0.4503

 17.6222, 0.4680,  
0.5320

 238.7330, 0.4082,  
0.4435

 10.6791, 0.4645,  
0.5355

 287.9728, 0.4033,  
0.4373

 5.8515, 0.4593,  
0.5407

 343.5565, 0.3988,

 2.7550, 0.4512,

0.4317

0.5488

405.8684, 0.3947,  
0.4265

■ 1.0052, 0.4359,  
0.5641

■ 0.0000, 0.0000,  
0.0000

■ 74.2376, 0.4401,  
0.4856

■ 74.2376, 0.4401,  
0.4856


■ 73.0027, 0.4434,  
0.4862

■ 76.0709, 0.4335,  
0.4817


■ 78.0470, 0.4241,  
0.4731


■ 80.1880, 0.4119,  
0.4602


■ 82.5092, 0.3977,  
0.4434

 85.0239, 0.3820,  
0.4237

 87.7440, 0.3654,  
0.4021

 90.6802, 0.3488,  
0.3796

 93.8424, 0.3325,  
0.3571

 97.2399, 0.3170,  
0.3351

# Harmonies

## Analogous

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



74.2376, 0.5020, 0.4165



74.2376, 0.4401, 0.4856



74.2376, 0.3511, 0.5234

# Triad

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



74.2376, 0.4401, 0.4856



74.2376, 0.1483, 0.2619



74.2376, 0.3459, 0.2248

# Complementary

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



74.2376, 0.4401, 0.4856



9.2671, 0.1558, 0.0760

# 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.



74.2376, 0.2468, 0.1901



74.2376, 0.4401, 0.4856



74.2376, 0.1482, 0.2018

# Square

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



74.2376, 0.4401, 0.4856



74.2376, 0.1840, 0.3671



74.2376, 0.1802, 0.1809



74.2376, 0.4503, 0.2797



# Rectangle

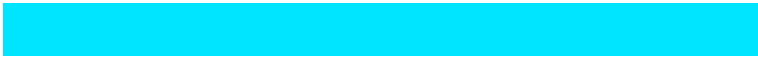
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.2376, 0.4401, 0.4856



74.2376, 0.2876, 0.5056



74.2376, 0.1802, 0.1809



74.2376, 0.3102, 0.2106

# Sweetspot

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



74.2412, 0.4401, 0.4856



90.7225, 0.3574, 0.3913



21.5494, 0.6093, 0.3179



19.1471, 0.3646, 0.4010



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.



74.2412, 0.4401, 0.4856



74.2951, 0.4434, 0.4862



78.5167, 0.3585, 0.5502



20.6849, 0.3272, 0.3496



38.9718, 0.4429, 0.4865



3.8975, 0.4398, 0.4890



# Inverse Universe

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



9.2671, 0.1558, 0.0760



8.2271, 0.1521, 0.0674



10.4871, 0.1852, 0.0820



17.7393, 0.2979, 0.3075



4.4110, 0.1525, 0.0690



0.5384, 0.1567, 0.0840



# Previews

## White Background



This preview shows how the Yxy color 74.2376, 0.4401, 0.4856 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

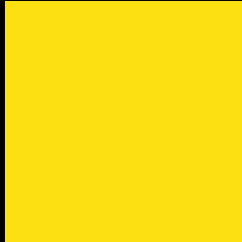
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.2376, 0.4401, 0.4856 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 74.2376, 0.4401, 0.4856**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.2376, 0.4401, 0.4856.



This preview shows how white text looks on a background with the Yxy color 74.2376, 0.4401, 0.4856.

# 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

74.2376, 0.4401, 0.4856

### Protanopia

74.0504, 0.4393, 0.4862

### Deuteranopia

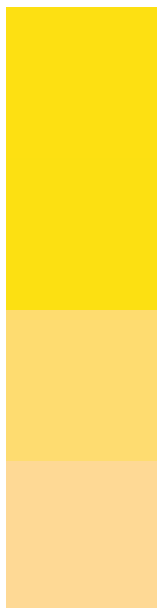
74.1194, 0.3782, 0.3835



## Tritanopia

74.2303, 0.3362, 0.3180

# Trichromacy



## Original Color

74.2376, 0.4401, 0.4856

## Protanomaly

74.0504, 0.4393, 0.4862

## Deuteranomaly

73.4271, 0.4114, 0.4353

## Tritanomaly

72.8665, 0.3892, 0.3988

# Monochromacy



## Original Color

74.2376, 0.4401, 0.4856

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

65.9941, 0.3734, 0.4119

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2376, 0.4401, 0.4856 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(253, 224, 18)` looks like.

```
.text, #text, p{  
    color:rgb(253, 224, 18)  
}
```

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(253, 224, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 224, 18) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2376, 0.4401, 0.4856 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(253, 224, 18) }
```

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

```
.border{ border-color:rgb(253, 224, 18) }
```

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

Here you see how a box with a 4 pixel rgb(253, 224, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 224, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 224, 18);  
box-shadow:4px 4px 4px 4px rgb(253, 224,  
18) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.2376, 0.4401, 0.4856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 224, 18) }
```

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

```
.background{ background-color: rgb(253,  
224, 18) }
```

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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