

# Converting Colors

$Yxy(73.9695, 0.4367, 0.4746)$

Have a look what the booklet for  
Yxy(73.9695, 0.4367, 0.4746)  
contains.

<b>Yxy(73.7416, 0.4371, 0.4743)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(73.7416, 0.4371, 0.4743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDE33
RGB	255, 222, 51
RGB Percent	100%, 87%, 20%
CMY	0.0000, 0.1294, 0.8003
CMYK	0.00, 0.13, 0.80, 0.00
HSL	50°, 100%, 60%
HSV	50°, 80%, 100%
XYZ	67.9579, 73.7416, 13.7750
YIQ	212.3730, 74.5590, -46.1850

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	90, 255, 51
Decimal	16768563
CIE Lab	88.80, -4.63, 80.29
CIE LCh	89, 80.421, 93.297
Yxy	73.7416, 0.4371, 0.4743
Android (android.graphics.Color)	4294958643 (0xFFFFDE33)
YUV	212.3730, -79.5569, 37.3839
Hunter-Lab	85.8729, -9.0167, 50.6002

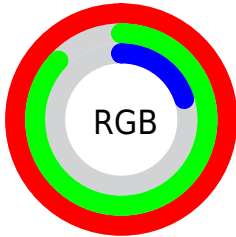
# Details

The Yxy color **73.7416, 0.4371, 0.4743** 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 **14.2510, 0.1698, 0.1072**, and the grayscale version is **66.6000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9499, 0.3935, 0.4625**, and **39.1068, 0.4463, 0.4839** is the 20% darker color. If you saturate the color by 10%, you get **71.4152, 0.4457, 0.4790**, and if you desaturate by 10%, it is **76.2514, 0.4256, 0.4650**.

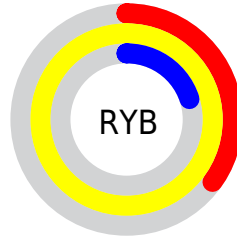
# Distribution



Red (100%)

Green (87%)

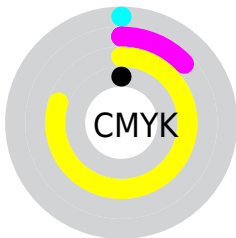
Blue (20%)



Red (35%)

Yellow (100%)

Blue (20%)

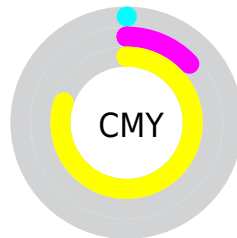


Cyan (0%)

Magenta (13%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.7416, 0.4371, 0.4743 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 73.7416, 0.4371, 0.4743 by changing the saturation by 10% instead.





 73.7416, 0.4371,  
0.4743


 73.7416, 0.4371,  
0.4743


473.5811, 0.3872,  
0.4141


 54.5826, 0.4455,  
0.4850


 124.5294, 0.4221,  
0.4557


 39.0676, 0.4541,  
0.4964


 156.9270, 0.4155,  
0.4478

 26.8123, 0.4623,  
0.5080


 194.5063, 0.4096,  
0.4406

 17.4323, 0.4710,  
0.5210

 237.6516, 0.4042,  
0.4342

 10.5432, 0.4725,  
0.5275

 286.7473, 0.3993,  
0.4284

 5.7606, 0.4692,  
0.5308

342.1779, 0.3949,

 2.7001, 0.4639,

0.4232

0.5361

404.3277, 0.3908,  
0.4185

■ 0.9772, 0.4542,  
0.5458

■ 0.0000, 0.0000,  
0.0000

■ 73.7416, 0.4371,  
0.4743

■ 73.7416, 0.4371,  
0.4743

■ 71.4152, 0.4457,  
0.4790

■ 76.2514, 0.4256,  
0.4650

■ 69.2384, 0.4517,  
0.4795


■ 78.9525, 0.4116,  
0.4513

■ 81.8634, 0.3957,  
0.4341

■ 84.9973, 0.3788,  
0.4144

 88.3663, 0.3616,  
0.3932

 91.9812, 0.3445,  
0.3714

 95.8522, 0.3281,  
0.3499

99.9886, 0.3128,  
0.3291

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.



73.7416, 0.4916, 0.4106



73.7416, 0.4371, 0.4743



73.7416, 0.3548, 0.5082

# Triad

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



73.7416, 0.4371, 0.4743



73.7416, 0.1591, 0.2714



73.7416, 0.3393, 0.2293

# Complementary

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



73.7416, 0.4371, 0.4743



14.2510, 0.1698, 0.1072

# 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.



73.7416, 0.2480, 0.1973



73.7416, 0.4371, 0.4743



73.7416, 0.1571, 0.2122

# Square

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



73.7416, 0.4371, 0.4743



73.7416, 0.1955, 0.3700



73.7416, 0.1863, 0.1901



73.7416, 0.4361, 0.2809



# Rectangle

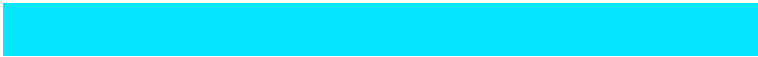
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.7416, 0.4371, 0.4743



73.7416, 0.2951, 0.4928



73.7416, 0.1863, 0.1901



73.7416, 0.3065, 0.2161

# Sweetspot

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



73.7450, 0.4371, 0.4743



90.5148, 0.3512, 0.3801



24.2767, 0.5557, 0.3062



19.0997, 0.3573, 0.3878



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.



73.7450, 0.4371, 0.4743



70.0986, 0.4495, 0.4796



82.3204, 0.3663, 0.5305



20.5611, 0.3273, 0.3488



36.3650, 0.4511, 0.4800



3.6684, 0.4469, 0.4834



# Inverse Universe

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



14.2510, 0.1698, 0.1072



9.5481, 0.1554, 0.0768



13.5005, 0.1971, 0.0992



17.8519, 0.2979, 0.3084



4.7484, 0.1538, 0.0736



0.5911, 0.1586, 0.0910



# Previews

## White Background



This preview shows how the Yxy color 73.7416, 0.4371, 0.4743 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 73.7416, 0.4371, 0.4743 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 73.7416, 0.4371, 0.4743**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.7416, 0.4371, 0.4743.



This preview shows how white text looks on a background with the Yxy color 73.7416, 0.4371, 0.4743.

# 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

73.7416, 0.4371, 0.4743

### Protanopia

74.0596, 0.4325, 0.4778

### Deuteranopia

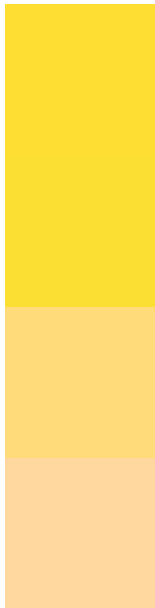
73.5301, 0.3800, 0.3846



## Tritanopia

73.6747, 0.3371, 0.3180

# Trichromacy



**Original Color**

73.7416, 0.4371, 0.4743

**Protanomaly**

73.7098, 0.4340, 0.4766

**Deuteranomaly**

73.3282, 0.4068, 0.4256

**Tritanomaly**

72.9098, 0.3826, 0.3866

# Monochromacy



**Original Color**

73.7416, 0.4371, 0.4743

**Achromatopsia**

65.8375, 0.3127, 0.3290

**Achromatomaly**

67.9056, 0.3661, 0.3991

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.7416, 0.4371, 0.4743 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, 222, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 51)  
}
```

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, 222, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 73.7416, 0.4371, 0.4743 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, 222, 51) }
```

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

```
.border{ border-color:rgb(255, 222, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.7416, 0.4371, 0.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 51) }
```

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

```
.background{ background-color: rgb(255,  
222, 51) }
```

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