

# Converting Colors

$Yxy(74.2924, 0.4358, 0.4742)$

Have a look what the booklet for  
Yxy(74.2924, 0.4358, 0.4742)  
contains.

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# **Color**

**Yxy(74.2924, 0.4358, 0.4742)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDF35
RGB	255, 223, 53
RGB Percent	100%, 87%, 21%
CMY	0.0000, 0.1255, 0.7924
CMYK	0.00, 0.13, 0.79, 0.00
HSL	50°, 100%, 60%
HSV	50°, 79%, 100%
XYZ	68.2763, 74.2924, 14.1002
YIQ	213.1880, 73.6420, -46.0860

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	91, 255, 53
Decimal	16768821
CIE Lab	89.06, -5.05, 79.95
CIE LCh	89, 80.113, 93.615
Yxy	74.2924, 0.4358, 0.4742
Android (android.graphics.Color)	4294958901 (0xFFFFDF35)
YUV	213.1880, -78.9727, 36.6691
Hunter-Lab	86.1930, -9.4422, 50.6360

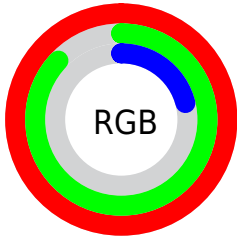
# Details

The Yxy color **74.2924, 0.4358, 0.4742** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **14.4613, 0.1706, 0.1084**, and the grayscale version is **67.1675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9949, 0.3926, 0.4610**, and **39.4746, 0.4452, 0.4847** is the 20% darker color. If you saturate the color by 10%, you get **71.9834, 0.4445, 0.4793**, and if you desaturate by 10%, it is **76.7746, 0.4241, 0.4645**.

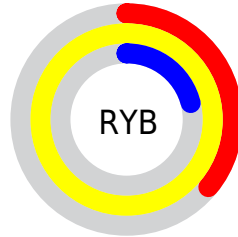
# Distribution



Red (100%)

Green (87%)

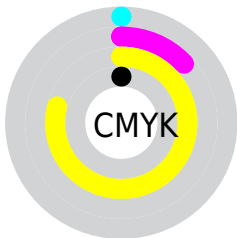
Blue (21%)



Red (36%)

Yellow (100%)

Blue (21%)

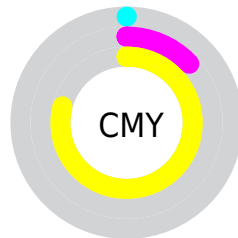


Cyan (0%)

Magenta (13%)

Yellow (79%)

Black (0%)



Cyan (0%)

Magenta (13%)


Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.2924, 0.4358, 0.4742 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 74.2924, 0.4358, 0.4742 by changing the saturation by 10% instead.





 74.2924, 0.4358,  
0.4742

 74.2924, 0.4358,  
0.4742


475.4819, 0.3864,  
0.4140

 55.0334, 0.4441,  
0.4850


 125.3102, 0.4209,  
0.4555

 39.4285, 0.4527,  
0.4965

 157.8378, 0.4144,  
0.4476


 27.0932, 0.4608,  
0.5083


 195.5571, 0.4086,  
0.4404

 17.6432, 0.4692,  
0.5213


 238.8524, 0.4032,  
0.4340

 10.6942, 0.4712,  
0.5288

 288.1081, 0.3984,  
0.4282

 5.8616, 0.4676,  
0.5324

343.7087, 0.3940,

 2.7611, 0.4619,

0.4230

406.0385, 0.3900,  
0.4183

0.5381

1.0083, 0.4515,  
0.5485

0.0000, 0.0000,  
0.0000

74.2924, 0.4358,  
0.4742

74.2924, 0.4358,  
0.4742

71.9834, 0.4445,  
0.4793

76.7746, 0.4241,  
0.4645

69.8252, 0.4506,  
0.4801

79.4521, 0.4101,  
0.4504

69.6655, 0.4510,  
0.4801

82.3382, 0.3942,  
0.4330

85.4463, 0.3774,  
0.4131

■ 88.7881, 0.3601,  
0.3917

■ 92.3745, 0.3432,  
0.3699

■ 96.2154, 0.3269,  
0.3483

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.



74.2924, 0.4903, 0.4111



74.2924, 0.4358, 0.4742



74.2924, 0.3538, 0.5071

# Triad

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



74.2924, 0.4358, 0.4742



74.2924, 0.1597, 0.2710



74.2924, 0.3403, 0.2303

# Complementary

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



74.2924, 0.4358, 0.4742



14.4613, 0.1706, 0.1084

# 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.



74.2924, 0.2492, 0.1981



74.2924, 0.4358, 0.4742



74.2924, 0.1579, 0.2125

# Square

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



74.2924, 0.4358, 0.4742



74.2924, 0.1956, 0.3686



74.2924, 0.1874, 0.1907



74.2924, 0.4363, 0.2818



# Rectangle

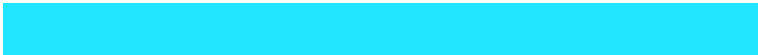
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.2924, 0.4358, 0.4742



74.2924, 0.2944, 0.4910



74.2924, 0.1874, 0.1907



74.2924, 0.3076, 0.2170

# Sweetspot

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



74.2910, 0.4358, 0.4742



90.6373, 0.3512, 0.3803



24.4816, 0.5525, 0.3059



19.1296, 0.3573, 0.3881



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.



74.2910, 0.4358, 0.4742



70.7263, 0.4483, 0.4802



82.4225, 0.3663, 0.5292



20.5718, 0.3273, 0.3488



36.5853, 0.4504, 0.4806



3.6879, 0.4463, 0.4839



# Inverse Universe

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



14.4613, 0.1706, 0.1084



9.6814, 0.1558, 0.0777



13.7735, 0.1983, 0.1007



17.8421, 0.2979, 0.3084



4.7158, 0.1537, 0.0732



0.5865, 0.1585, 0.0904



# Previews

## White Background



This preview shows how the Yxy color 74.2924, 0.4358, 0.4742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

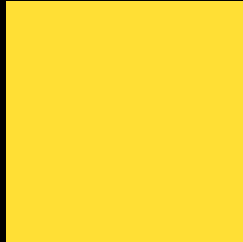
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.2924, 0.4358, 0.4742 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 74.2924, 0.4358, 0.4742**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.2924, 0.4358, 0.4742.



This preview shows how white text looks on a background with the Yxy color 74.2924, 0.4358, 0.4742.

# 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

74.2924, 0.4358, 0.4742

### Protanopia

74.0776, 0.4320, 0.4770

### Deuteranopia

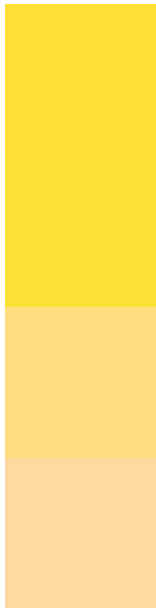
74.1560, 0.3775, 0.3825



## Tritanopia

74.2303, 0.3362, 0.3180

# Trichromacy



## Original Color

74.2924, 0.4358, 0.4742

## Protanomaly

74.2638, 0.4327, 0.4765

## Deuteranomaly

73.9271, 0.4044, 0.4239

## Tritanomaly

73.4943, 0.3807, 0.3856

# Monochromacy



## Original Color

74.2924, 0.4358, 0.4742

## Achromatopsia

66.5387, 0.3127, 0.3290

## Achromatomaly

68.4862, 0.3644, 0.3979

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.2924, 0.4358, 0.4742 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, 223, 53)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 53)  
}
```

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, 223, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 53) }
```

## Border

The CSS property to change the border of an element to Yxy 74.2924, 0.4358, 0.4742 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, 223, 53) }
```

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

```
.border{ border-color:rgb(255, 223, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 53);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
53) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.2924, 0.4358, 0.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 53) }
```

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

```
.background{ background-color: rgb(255,  
223, 53) }
```

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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