

# Converting Colors

$Y_{xy}(75.7690, 0.4313, 0.4747)$

Have a look what the booklet for  
Yxy(75.7690, 0.4313, 0.4747)  
contains.

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# **Color**

**Yxy(75.7690, 0.4313, 0.4747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEE23A
RGB	254, 226, 58
RGB Percent	100%, 89%, 23%
CMY	0.0038, 0.1137, 0.7724
CMYK	0.00, 0.11, 0.77, 0.00
HSL	51°, 99%, 61%
HSV	51°, 77%, 100%
XYZ	68.8417, 75.7690, 15.0038
YIQ	215.2200, 70.6160, -46.3120

# Conversions

## Conversions Part 2

Format	Color
RYB	91, 254, 58
Decimal	16704058
CIELab	89.75, -6.80, 79.03
CIELCh	90, 79.321, 94.917
Yxy	75.7690, 0.4313, 0.4747
Android (android.graphics.Color)	4294894138 (0xFFFE23A)
YUV	215.2200, -77.5095, 34.0101
Hunter-Lab	87.0454, -11.1588, 50.7121

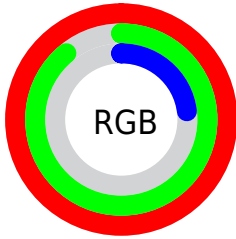
# Details

The Yxy color **75.7690, 0.4313, 0.4747** 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 **14.7252, 0.1726, 0.1106**, and the grayscale version is **68.6187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0880, 0.3907, 0.4580**, and **40.4633, 0.4409, 0.4881** is the 20% darker color. If you saturate the color by 10%, you get **73.6194, 0.4402, 0.4810**, and if you desaturate by 10%, it is **78.0951, 0.4196, 0.4638**.

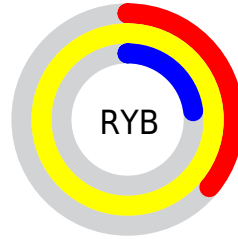
# Distribution



Red (100%)

Green (89%)

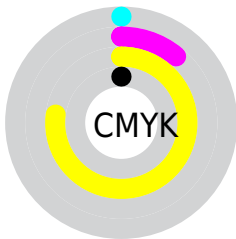
Blue (23%)



Red (36%)

Yellow (100%)

Blue (23%)

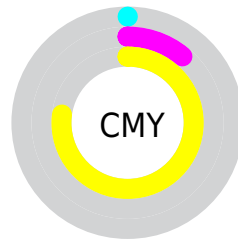


Cyan (0%)

Magenta (11%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 75.7690, 0.4313, 0.4747 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 75.7690, 0.4313, 0.4747 by changing the saturation by 10% instead.




 75.7690, 0.4313,  
0.4747

 75.7690, 0.4313,  
0.4747


480.5566, 0.3839,  
0.4138

 56.2431, 0.4393,  
0.4858


 127.4003, 0.4170,  
0.4557

 40.3979, 0.4475,  
0.4978


 160.2745, 0.4108,  
0.4476


 27.8489, 0.4554,  
0.5104


 198.3670, 0.4051,  
0.4404

 18.2118, 0.4628,  
0.5237

 242.0621, 0.4000,  
0.4339

 11.1021, 0.4658,  
0.5342

 291.7442, 0.3954,  
0.4281

 6.1356, 0.4611,  
0.5389

347.7977, 0.3912,

 2.9277, 0.4536,

0.4229

0.5464

410.6070, 0.3874,  
0.4181

■ 1.0941, 0.4402,  
0.5598

■ 0.0000, 0.0000,  
0.0000

■ 75.7690, 0.4313,  
0.4747

■ 75.7690, 0.4313,  
0.4747

■ 73.6194, 0.4402,  
0.4810

■ 78.0951, 0.4196,  
0.4638

■ 71.6139, 0.4462,  
0.4828

■ 80.6037, 0.4056,  
0.4488

■ 71.0608, 0.4476,  
0.4828

■ 83.3126, 0.3899,  
0.4305

■ 86.2345, 0.3733,  
0.4100

■ 89.3807, 0.3563,  
0.3881

■ 92.7617, 0.3396,  
0.3660

■ 96.3872, 0.3236,  
0.3441

99.8162, 0.3121,  
0.3290

# Harmonies

## Analogous

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



75.7690, 0.4864, 0.4134



75.7690, 0.4313, 0.4747



75.7690, 0.3498, 0.5041

# Triad

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



75.7690, 0.4313, 0.4747



75.7690, 0.1610, 0.2688



75.7690, 0.3442, 0.2334

# Complementary

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



75.7690, 0.4313, 0.4747



14.7252, 0.1726, 0.1106

# 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.



75.7690, 0.2536, 0.2007



75.7690, 0.4313, 0.4747



75.7690, 0.1605, 0.2125

# Square

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



75.7690, 0.4313, 0.4747



75.7690, 0.1951, 0.3634



75.7690, 0.1911, 0.1923



75.7690, 0.4378, 0.2851



# Rectangle

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



75.7690, 0.4313, 0.4747



75.7690, 0.2912, 0.4857



75.7690, 0.1911, 0.1923



75.7690, 0.3119, 0.2201

# Sweetspot

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



75.7726, 0.4313, 0.4747



91.5455, 0.3493, 0.3789



24.8015, 0.5482, 0.3081



19.3357, 0.3554, 0.3870



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.



75.7726, 0.4313, 0.4747



73.0585, 0.4440, 0.4825



81.5757, 0.3641, 0.5274



20.6216, 0.3273, 0.3492



37.6223, 0.4471, 0.4832



3.7792, 0.4434, 0.4861



# Inverse Universe

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



14.7252, 0.1726, 0.1106



9.7826, 0.1564, 0.0784



14.6716, 0.2038, 0.1064



17.7967, 0.2979, 0.3080



4.5728, 0.1531, 0.0712



0.5653, 0.1577, 0.0876



# Previews

## White Background



This preview shows how the Yxy color 75.7690, 0.4313, 0.4747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

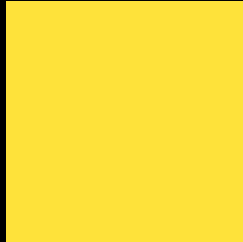
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 75.7690, 0.4313, 0.4747 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 75.7690, 0.4313, 0.4747**

## **Background**



This preview shows how black text looks on a background with the Yxy color 75.7690, 0.4313, 0.4747.



This preview shows how white text looks on a background with the Yxy color 75.7690, 0.4313, 0.4747.

# 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

75.7690, 0.4313, 0.4747

### Protanopia

75.5808, 0.4305, 0.4753

### Deuteranopia

75.4635, 0.3718, 0.3773



## Tritanopia

75.4069, 0.3338, 0.3170

# Trichromacy



## Original Color

75.7690, 0.4313, 0.4747

## Protanomaly

75.5808, 0.4305, 0.4753



## Deuteranomaly

75.1412, 0.3996, 0.4202



## Tritanomaly

74.6762, 0.3772, 0.3834

# Monochromacy



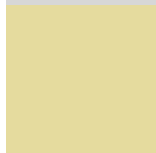
## Original Color

75.7690, 0.4313, 0.4747



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

69.7897, 0.3625, 0.3964

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 75.7690, 0.4313, 0.4747 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(254, 226, 58)` looks like.

```
.text, #text, p{  
    color:rgb(254, 226, 58)  
}
```

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(254, 226, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 226, 58) }
```

## Border

The CSS property to change the border of an element to Yxy 75.7690, 0.4313, 0.4747 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(254, 226, 58) }
```

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

```
.border{ border-color:rgb(254, 226, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 226, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 226, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 226, 58);  
box-shadow:4px 4px 4px 4px rgb(254, 226,  
58) }
```



# Background

The CSS property to change the background color of an element to Yxy 75.7690, 0.4313, 0.4747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 226, 58) }
```

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

```
.background{ background-color: rgb(254,  
226, 58) }
```

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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