

# Converting Colors

$Y_{xy}(74.1642, 0.4152, 0.4717)$

Have a look what the booklet for  
Yxy(74.1642, 0.4152, 0.4717)  
contains.

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# Color

**Yxy(74.3372, 0.4153, 0.4721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2E34C
RGB	242, 227, 76
RGB Percent	95%, 89%, 30%
CMY	0.0509, 0.1098, 0.7021
CMYK	0.00, 0.06, 0.69, 0.05
HSL	55°, 86%, 62%
HSV	55°, 69%, 95%
XYZ	65.3934, 74.3372, 17.7301
YIQ	214.2710, 57.4110, -43.7810

# Conversions

## Conversions Part 2

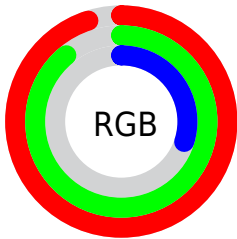
Format	Color
R <sub>Y</sub> B	92, 242, 76
Decimal	15917900
CIE Lab	89.08, -11.54, 71.96
CIE LCh	89, 72.879, 99.107
Yxy	74.3372, 0.4153, 0.4721
Android (android.graphics.Color)	4294107980 (0xFFFF2E34C)
YUV	214.2710, -68.1676, 24.3183
Hunter-Lab	86.2190, -15.4987, 48.1609

# Details

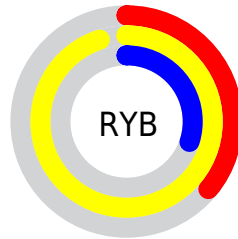
The Yxy color **74.3372, 0.4153, 0.4721** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **15.4220, 0.1835, 0.1244**, and the grayscale version is **67.8765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **39.4501, 0.4292, 0.4974** is the 20% darker color. If you saturate the color by 10%, you get **72.8762, 0.4249, 0.4830**, and if you desaturate by 10%, it is **75.9469, 0.4032, 0.4570**.

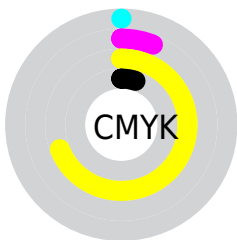
# Distribution



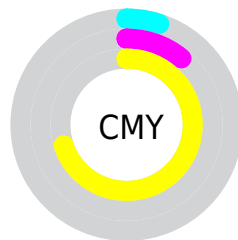
- Red (95%)
- Green (89%)
- Blue (30%)



- Red (36%)
- Yellow (95%)
- Blue (30%)



- Cyan (0%)
- Magenta (6%)
- Yellow (69%)
- Black (5%)




- Cyan (5%)
- Magenta (11%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3372, 0.4153, 0.4721 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 74.3372, 0.4153, 0.4721 by changing the saturation by 10% instead.



 74.3372, 0.4153,  
0.4721


 74.3372, 0.4153,  
0.4721


475.6363, 0.3736,  
0.4097

 55.0701, 0.4225,  
0.4843


 125.3737, 0.4025,  
0.4519


 39.4578, 0.4302,  
0.4981


 157.9119, 0.3970,  
0.4436

 27.1161, 0.4376,  
0.5134


 195.6425, 0.3921,  
0.4362

 17.6604, 0.4438,  
0.5296

 238.9499, 0.3876,  
0.4297

 10.7065, 0.4501,  
0.5499

 288.2187, 0.3836,  
0.4239

 5.8698, 0.4417,  
0.5583


343.8331, 0.3800,


 2.7661, 0.4283,

0.4187

0.5717


406.1775, 0.3766,  
0.4140


 1.0109, 0.4000,  
0.6000


 0.0000, 0.0000,  
0.0000


 74.3372, 0.4153,  
0.4721


 74.3372, 0.4153,  
0.4721


 72.8762, 0.4249,  
0.4830


 75.9469, 0.4032,  
0.4570


 71.5383, 0.4317,  
0.4893

 77.7075, 0.3891,  
0.4385


 70.3052, 0.4359,  
0.4915


 79.6339, 0.3737,  
0.4174


 70.1386, 0.4364,  
0.4917


 81.7360, 0.3577,  
0.3947

 84.0232, 0.3415,  
0.3714

 86.5039, 0.3257,  
0.3483

 89.1862, 0.3107,  
0.3260

 91.1036, 0.3049,  
0.3187

 92.4315, 0.3049,  
0.3208

# Harmonies

## Analogous

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



74.3372, 0.4705, 0.4187



74.3372, 0.4153, 0.4721



74.3372, 0.3373, 0.4893

# Triad

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



74.3372, 0.4153, 0.4721



74.3372, 0.1684, 0.2644



74.3372, 0.3551, 0.2454

# Complementary

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



74.3372, 0.4153, 0.4721



15.4220, 0.1835, 0.1244

# 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.



74.3372, 0.2685, 0.2114



74.3372, 0.4153, 0.4721



74.3372, 0.1719, 0.2159

# Square

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



74.3372, 0.4153, 0.4721



74.3372, 0.1967, 0.3477



74.3372, 0.2052, 0.2002



74.3372, 0.4386, 0.2965



# Rectangle

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



74.3372, 0.4153, 0.4721



74.3372, 0.2827, 0.4646



74.3372, 0.2052, 0.2002



74.3372, 0.3248, 0.2318

# Sweetspot

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



74.3407, 0.4153, 0.4721



93.9690, 0.3454, 0.3771



24.8245, 0.5219, 0.3148



19.9591, 0.3499, 0.3836



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.



74.3407, 0.4153, 0.4721



81.5055, 0.4277, 0.4858



73.2150, 0.3573, 0.5143



18.2004, 0.3270, 0.3503



37.7805, 0.4361, 0.4919



3.2139, 0.4336, 0.4939



# Inverse Universe

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



15.4220, 0.1835, 0.1244



11.5561, 0.1640, 0.0900



17.3583, 0.2243, 0.1305



15.4584, 0.2980, 0.3068



3.8324, 0.1517, 0.0660



0.3966, 0.1556, 0.0800



# Previews

## White Background



This preview shows how the Yxy color 74.3372, 0.4153, 0.4721 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 74.3372, 0.4153, 0.4721 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 74.3372, 0.4153, 0.4721**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.3372, 0.4153, 0.4721.



This preview shows how white text looks on a background with the Yxy color 74.3372, 0.4153, 0.4721.

# 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

74.3372, 0.4153, 0.4721

### Protanopia

74.1433, 0.4238, 0.4666

### Deuteranopia

74.1928, 0.3768, 0.3815



## Tritanopia

74.0041, 0.3328, 0.3120

# Trichromacy



## Original Color

74.3372, 0.4153, 0.4721

## Protanomaly

74.1326, 0.4208, 0.4688



## Deuteranomaly

73.7581, 0.3943, 0.4180



## Tritanomaly

72.9668, 0.3689, 0.3750

# Monochromacy



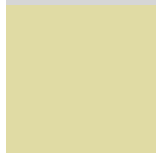
## Original Color

74.3372, 0.4153, 0.4721



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

69.1907, 0.3544, 0.3906

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.3372, 0.4153, 0.4721 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(242, 227, 76)` looks like.

```
.text, #text, p{  
    color:rgb(242, 227, 76)  
}
```

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(242, 227, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 227, 76) }
```

## Border

The CSS property to change the border of an element to Yxy 74.3372, 0.4153, 0.4721 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(242, 227, 76) }
```

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

```
.border{ border-color:rgb(242, 227, 76) }
```

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

Here you see how a box with a 4 pixel rgb(242, 227, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 227, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 227, 76);  
box-shadow:4px 4px 4px 4px rgb(242, 227,  
76) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.3372, 0.4153, 0.4721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 227, 76) }
```

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

```
.background{ background-color: rgb(242,  
227, 76) }
```

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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