

# Converting Colors

$Y_{xy}(74.4374, 0.4172, 0.5069)$

Have a look what the booklet for  
Yxy(74.4374, 0.4172, 0.5069)  
contains.

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**Color**

**Yxy(74.3712, 0.4171, 0.5071)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5E800
RGB	229, 232, 0
RGB Percent	90%, 91%, 0%
CMY	0.1019, 0.0902, 1.0000
CMYK	0.01, 0.00, 1.00, 0.09
HSL	61°, 100%, 45%
HSV	61°, 100%, 91%
XYZ	61.1718, 74.3712, 11.1168
YIQ	204.6550, 72.6840, -72.7880

# Conversions

## Conversions Part 2

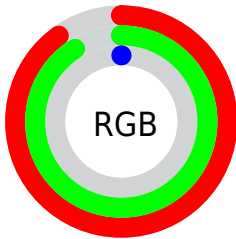
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 232, 3
Decimal	15067136
CIELab	89.10, -21.31, 87.73
CIELCh	89, 90.278, 103.656
Yxy	74.3712, 0.4171, 0.5071
Android (android.graphics.Color)	4293257216 (0xFFE5E800)
YUV	204.6550, -100.8949, 21.3506
Hunter-Lab	86.2387, -24.3022, 52.7242

# Details

The Yxy color **74.3712, 0.4171, 0.5071** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **5.8456, 0.1503, 0.0602**, and the grayscale version is **61.4429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **39.8793, 0.4115, 0.5115** is the 20% darker color. If you saturate the color by 10%, you get **74.3757, 0.4171, 0.5070**, and if you desaturate by 10%, it is **74.4875, 0.4154, 0.5037**.

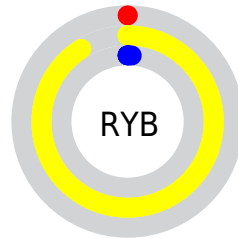
# Distribution



Red (90%)

Green (91%)

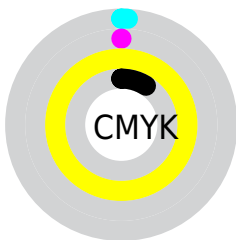
Blue (0%)



Red (0%)

Yellow (91%)

Blue (1%)

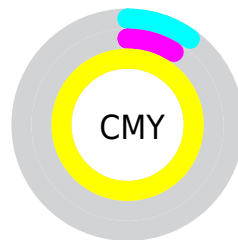


Cyan (1%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (10%)

Magenta (9%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.3712, 0.4171, 0.5071 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 74.3712, 0.4171, 0.5071 by changing the saturation by 10% instead.




 74.3712, 0.4171,  
0.5071


 74.3712, 0.4171,  
0.5071


475.7535, 0.3793,  
0.4311

 55.0979, 0.4219,  
0.5210


 125.4219, 0.4069,  
0.4832


 39.4801, 0.4259,  
0.5362


 157.9680, 0.4021,  
0.4731


 27.1334, 0.4278,  
0.5521


 195.7073, 0.3975,  
0.4641

 17.6735, 0.4285,  
0.5715

 239.0240, 0.3933,  
0.4560

 10.7158, 0.4175,  
0.5825

 288.3026, 0.3894,  
0.4488

 5.8761, 0.4015,  
0.5985

 343.9274, 0.3858,


 2.7699, 0.3760,


0.4423


0.6240


406.2830, 0.3824,  
0.4364


 1.0128, 0.3014,  
0.6986


 0.0000, 0.0000,  
0.0000


 74.3712, 0.4171,  
0.5071


 74.3712, 0.4171,  
0.5071

 74.3757, 0.4171,  
0.5070

 74.4875, 0.4154,  
0.5037

 74.6745, 0.4116,  
0.4968

 74.9606, 0.4051,  
0.4854

 75.3596, 0.3961,  
0.4698

■ 75.8833, 0.3847,  
0.4505

■ 76.5419, 0.3716,  
0.4282

■ 77.3446, 0.3573,  
0.4040

■ 78.2996, 0.3424,  
0.3788

■ 79.4149, 0.3274,  
0.3536

# Harmonies

## Analogous

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



74.3712, 0.4922, 0.4397



74.3712, 0.4171, 0.5071



74.3712, 0.3218, 0.5278

# Triad

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



74.3712, 0.4171, 0.5071



74.3712, 0.1406, 0.2359



74.3712, 0.3807, 0.2369

# Complementary

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



74.3712, 0.4171, 0.5071



5.8456, 0.1503, 0.0602

# 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.



74.3712, 0.2722, 0.1945



74.3712, 0.4171, 0.5071



74.3712, 0.1504, 0.1881

# Square

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



74.3712, 0.4171, 0.5071



74.3712, 0.1651, 0.3313



74.3712, 0.1931, 0.1770



74.3712, 0.4805, 0.2972



# Rectangle

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



74.3712, 0.4171, 0.5071



74.3712, 0.2581, 0.4899



74.3712, 0.1931, 0.1770



74.3712, 0.3429, 0.2203

# Sweetspot

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



74.3757, 0.4171, 0.5070



95.8282, 0.3575, 0.4044



17.1563, 0.6401, 0.3300



20.4164, 0.3637, 0.4148



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.



74.3757, 0.4171, 0.5070



92.1629, 0.4171, 0.5071



61.4279, 0.3356, 0.5717



16.8073, 0.3266, 0.3522



41.2939, 0.4171, 0.5070



3.0545, 0.4174, 0.5067



# Inverse Universe

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



5.8456, 0.1503, 0.0602



7.2412, 0.1503, 0.0602



9.5395, 0.2009, 0.0880



13.8960, 0.2982, 0.3047



3.2493, 0.1504, 0.0602

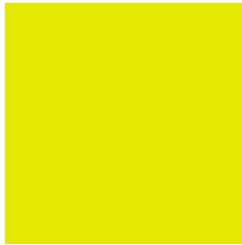


0.2433, 0.1516, 0.0609



# Previews

## White Background



This preview shows how the Yxy color 74.3712, 0.4171, 0.5071 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

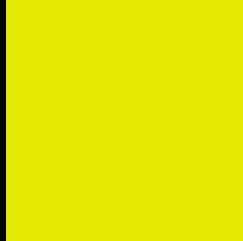
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.3712, 0.4171, 0.5071 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 74.3712, 0.4171, 0.5071**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.3712, 0.4171, 0.5071.

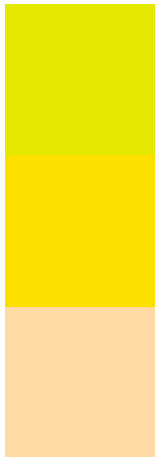


This preview shows how white text looks on a background with the Yxy color 74.3712, 0.4171, 0.5071.

# 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

74.3712, 0.4171, 0.5071

### Protanopia

74.0068, 0.4407, 0.4883

### Deuteranopia

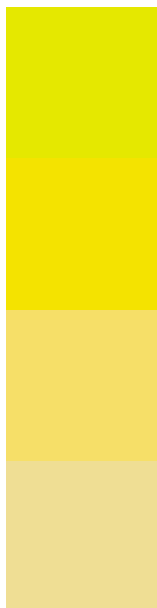
74.0831, 0.3790, 0.3845



## Tritanopia

74.4074, 0.3222, 0.3117

# Trichromacy



## Original Color

74.3712, 0.4171, 0.5071

## Protanomaly

74.1713, 0.4323, 0.4950

## Deuteranomaly

73.3677, 0.4079, 0.4474

## Tritanomaly

72.7314, 0.3761, 0.4079

# Monochromacy



## Original Color

74.3712, 0.4171, 0.5071

## Achromatopsia

61.0496, 0.3127, 0.3290

## Achromatomaly

64.5087, 0.3708, 0.4267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.3712, 0.4171, 0.5071 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(229, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 232, 0)  
}
```

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(229, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 232, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 74.3712, 0.4171, 0.5071 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(229, 232, 0) }
```

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

```
.border{ border-color:rgb(229, 232, 0) }
```

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

Here you see how a box with a 4 pixel rgb(229, 232, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 232,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.3712, 0.4171, 0.5071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 232, 0) }
```

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

```
.background{ background-color: rgb(229,  
232, 0) }
```

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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