

# Converting Colors

$Y_{xy}(72.7027, 0.4189, 0.5046)$

Have a look what the booklet for  
Yxy(72.7027, 0.4189, 0.5046)  
contains.

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# Color

**Yxy(72.7098, 0.4189, 0.5046)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5E506
RGB	229, 229, 6
RGB Percent	90%, 90%, 2%
CMY	0.1020, 0.1019, 0.9766
CMYK	0.00, 0.00, 0.97, 0.10
HSL	60°, 95%, 46%
HSV	60°, 97%, 90%
XYZ	60.3609, 72.7098, 11.0232
YIQ	203.5780, 71.5830, -69.3530

# Conversions

## Conversions Part 2

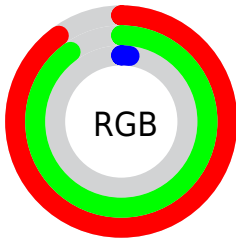
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 229, 6
Decimal	15066374
CIELab	88.31, -19.83, 86.63
CIELCh	88, 88.871, 102.894
Yxy	72.7098, 0.4189, 0.5046
Android (android.graphics.Color)	4293256454 (0xFFE5E506)
YUV	203.5780, -97.4060, 22.2951
Hunter-Lab	85.2700, -22.8660, 52.0244

# Details

The Yxy color **72.7098, 0.4189, 0.5046** 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 **5.8257, 0.1510, 0.0616**, and the grayscale version is **60.6935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **38.7071, 0.4144, 0.5092** is the 20% darker color. If you saturate the color by 10%, you get **72.7000, 0.4193, 0.5053**, and if you desaturate by 10%, it is **72.7887, 0.4166, 0.5008**.

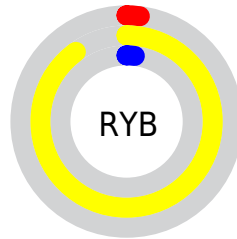
# Distribution



Red (90%)

Green (90%)

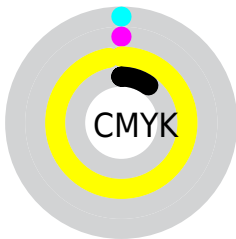
Blue (2%)



Red (2%)

Yellow (90%)

Blue (2%)

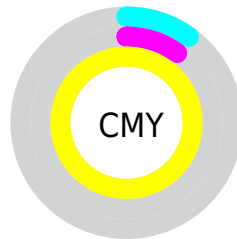


Cyan (0%)

Magenta (0%)

Yellow (97%)

Black (10%)



Cyan (10%)

Magenta (10%)


Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7098, 0.4189, 0.5046 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 72.7098, 0.4189, 0.5046 by changing the saturation by 10% instead.





 72.7098, 0.4189,  
0.5046

 72.7098, 0.4189,  
0.5046

470.0084, 0.3799,  
0.4295

 53.7387, 0.4241,  
0.5184


 123.0651, 0.4083,  
0.4810

 38.3928, 0.4284,  
0.5333


 155.2182, 0.4032,  
0.4710


 26.2877, 0.4307,  
0.5490


 192.5340, 0.3985,  
0.4621

 17.0390, 0.4320,  
0.5680

 235.3970, 0.3942,  
0.4542

 10.2623, 0.4216,  
0.5784

 284.1915, 0.3902,  
0.4470

 5.5732, 0.4062,  
0.5938


 339.3020, 0.3865,

 2.5873, 0.3816,


0.4406

0.6184

401.1128, 0.3831,  
0.4348


 0.9203, 0.2977,  
0.7023


 0.0000, 0.0000,  
0.0000


 72.7098, 0.4189,  
0.5046


 72.7098, 0.4189,  
0.5046

 72.7000, 0.4193,  
0.5053

 72.7887, 0.4166,  
0.5008

 72.9469, 0.4119,  
0.4929

 73.2050, 0.4045,  
0.4807

 73.5757, 0.3946,  
0.4644

■ 74.0700, 0.3825,  
0.4444

■ 74.6974, 0.3688,  
0.4217

■ 75.4665, 0.3540,  
0.3973

■ 76.3855, 0.3388,  
0.3722

■ 77.4615, 0.3237,  
0.3471

# Harmonies

## Analogous

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



72.7098, 0.4926, 0.4374



72.7098, 0.4189, 0.5046



72.7098, 0.3245, 0.5266

# Triad

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



72.7098, 0.4189, 0.5046



72.7098, 0.1418, 0.2385



72.7098, 0.3773, 0.2362

# Complementary

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



72.7098, 0.4189, 0.5046



5.8257, 0.1510, 0.0616

# 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.



72.7098, 0.2701, 0.1946



72.7098, 0.4189, 0.5046



72.7098, 0.1507, 0.1898

# Square

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



72.7098, 0.4189, 0.5046



72.7098, 0.1672, 0.3344



72.7098, 0.1924, 0.1778



72.7098, 0.4772, 0.2959



# Rectangle

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



72.7098, 0.4189, 0.5046



72.7098, 0.2609, 0.4906



72.7098, 0.1924, 0.1778



72.7098, 0.3399, 0.2199

# Sweetspot

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



72.7132, 0.4189, 0.5046



96.1164, 0.3567, 0.4017



16.8023, 0.6365, 0.3300



20.4809, 0.3631, 0.4123



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.



72.7132, 0.4189, 0.5046



92.7736, 0.4193, 0.5053



59.8737, 0.3371, 0.5692



16.8171, 0.3268, 0.3522



41.5616, 0.4193, 0.5053



3.0713, 0.4193, 0.5053



# Inverse Universe

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



5.8257, 0.1510, 0.0616



7.2202, 0.1500, 0.0600



9.6027, 0.2037, 0.0905



13.8873, 0.2980, 0.3047



3.2346, 0.1500, 0.0600

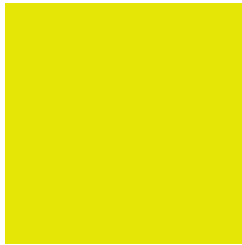


0.2391, 0.1500, 0.0600



# Previews

## White Background



This preview shows how the Yxy color 72.7098, 0.4189, 0.5046 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

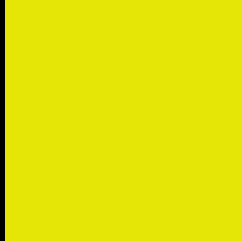
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.7098, 0.4189, 0.5046 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 72.7098, 0.4189, 0.5046**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.7098, 0.4189, 0.5046.

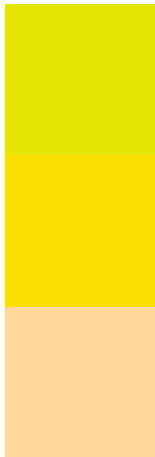


This preview shows how white text looks on a background with the Yxy color 72.7098, 0.4189, 0.5046.

# 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

72.7098, 0.4189, 0.5046

### Protanopia

72.5665, 0.4409, 0.4881

### Deuteranopia

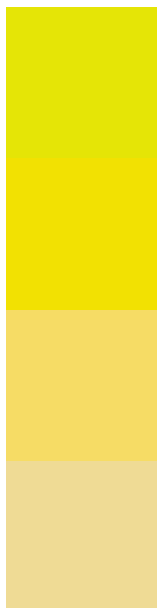
72.2612, 0.3858, 0.3897



## Tritanopia

72.5348, 0.3238, 0.3116

# Trichromacy



## Original Color

72.7098, 0.4189, 0.5046

## Protanomaly

72.7321, 0.4322, 0.4947

## Deuteranomaly

71.7188, 0.4113, 0.4473

## Tritanomaly

71.1837, 0.3765, 0.4040

# Monochromacy



## Original Color

72.7098, 0.4189, 0.5046

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

63.4006, 0.3695, 0.4228

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.7098, 0.4189, 0.5046 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, 229, 6)` looks like.

```
.text, #text, p{  
  color:rgb(229, 229, 6)  
}
```

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, 229, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 229, 6) }
```

## Border

The CSS property to change the border of an element to Yxy 72.7098, 0.4189, 0.5046 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, 229, 6) }
```

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

```
.border{ border-color:rgb(229, 229, 6) }
```

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

Here you see how a box with a 4 pixel rgb(229, 229, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 229, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 229, 6);  
box-shadow:4px 4px 4px 4px rgb(229, 229,  
6) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.7098, 0.4189, 0.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 229, 6) }
```

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

```
.background{ background-color: rgb(229,  
229, 6) }
```

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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