

# Converting Colors

Yxy(72.4409, 0.4147, 0.5089)

Have a look what the booklet for  
Yxy(72.4409, 0.4147, 0.5089)  
contains.

<b>Yxy(72.4409, 0.4147, 0.5089)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(72.4409, 0.4147, 0.5089)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E600
RGB	224, 230, 0
RGB Percent	88%, 90%, 0%
CMY	0.1217, 0.0980, 0.9993
CMYK	0.03, 0.00, 1.00, 0.10
HSL	62°, 100%, 45%
HSV	62°, 100%, 90%
XYZ	59.0317, 72.4409, 10.8754
YIQ	201.9860, 70.2540, -72.8020

# Conversions

## Conversions Part 2

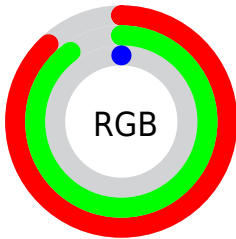
Format	Color
<a href="#">RYB</a>	<a href="#">0, 230, 6</a>
Decimal	<a href="#">14738944</a>
CIELab	<a href="#">88.18, -22.46, 86.83</a>
CIELCh	<a href="#">88, 89.683, 104.500</a>
Yxy	<a href="#">72.4409, 0.4147, 0.5089</a>
Android (android.graphics.Color)	<a href="#">4292929024 (0xFFE0E600)</a>
YUV	<a href="#">201.9860, -99.5791, 19.3063</a>
Hunter-Lab	<a href="#">85.1122, -25.1432, 52.0027</a>

# Details

The Yxy color **72.4409, 0.4147, 0.5089** 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 **5.7579, 0.1507, 0.0604**, and the grayscale version is **59.6668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **38.5525, 0.4084, 0.5139** is the 20% darker color. If you saturate the color by 10%, you get **72.4431, 0.4147, 0.5089**, and if you desaturate by 10%, it is **72.6032, 0.4132, 0.5053**.

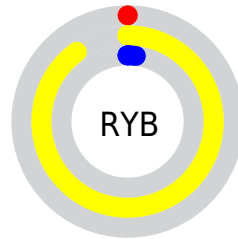
# Distribution



Red (88%)

Green (90%)

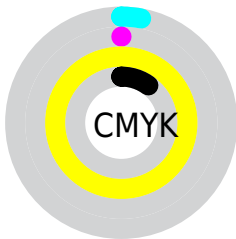
Blue (0%)



Red (0%)

Yellow (90%)

Blue (2%)

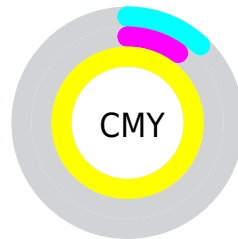


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (10%)



Cyan (12%)

Magenta (10%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4409, 0.4147, 0.5089 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 72.4409, 0.4147, 0.5089 by changing the saturation by 10% instead.




 72.4409, 0.4147,  
0.5089

 72.4409, 0.4147,  
0.5089


469.0748, 0.3778,  
0.4313


 53.5189, 0.4193,  
0.5233


 122.6832, 0.4048,  
0.4844


 38.2172, 0.4229,  
0.5390


 154.7722, 0.4001,  
0.4741

 26.1513, 0.4244,  
0.5556


 192.0191, 0.3957,  
0.4649

 16.9369, 0.4244,  
0.5756

 234.8083, 0.3915,  
0.4567

 10.1895, 0.4124,  
0.5876

 283.5240, 0.3877,  
0.4493

 5.5248, 0.3948,  
0.6052


 338.5507, 0.3841,


 2.5583, 0.3666,


0.4427


0.6334

400.2728, 0.3809,  
0.4367


 0.9058, 0.2566,  
0.7434


 0.0000, 0.0000,  
0.0000


 72.4409, 0.4147,  
0.5089


 72.4409, 0.4147,  
0.5089

 72.4431, 0.4147,  
0.5089

 72.6032, 0.4132,  
0.5053

 72.8364, 0.4096,  
0.4980

 73.1671, 0.4034,  
0.4864

 73.6089, 0.3945,  
0.4705

■ 74.1732, 0.3834,  
0.4508

■ 74.8700, 0.3706,  
0.4283

■ 75.7083, 0.3565,  
0.4040

■ 76.6962, 0.3418,  
0.3787

■ 77.8414, 0.3270,  
0.3534

# Harmonies

## Analogous

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



72.4409, 0.4909, 0.4419



72.4409, 0.4147, 0.5089



72.4409, 0.3190, 0.5276

# Triad

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



72.4409, 0.4147, 0.5089



72.4409, 0.1401, 0.2337



72.4409, 0.3840, 0.2383

# Complementary

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



72.4409, 0.4147, 0.5089



5.7579, 0.1507, 0.0604

# 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.



72.4409, 0.2748, 0.1952



72.4409, 0.4147, 0.5089



72.4409, 0.1509, 0.1871

# Square

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



72.4409, 0.4147, 0.5089



72.4409, 0.1636, 0.3280



72.4409, 0.1946, 0.1769



72.4409, 0.4829, 0.2990



# Rectangle

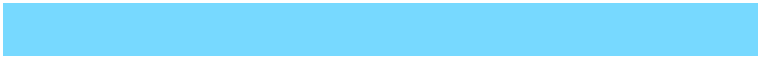
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4409, 0.4147, 0.5089



72.4409, 0.2553, 0.4877



72.4409, 0.1946, 0.1769



72.4409, 0.3461, 0.2215

# Sweetspot

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



72.4443, 0.4147, 0.5089



95.6351, 0.3568, 0.4046



16.9126, 0.6390, 0.3307



20.3693, 0.3629, 0.4151



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.



72.4443, 0.4147, 0.5089



91.5309, 0.4147, 0.5089



59.9982, 0.3334, 0.5734



16.7969, 0.3264, 0.3522



41.0168, 0.4148, 0.5089



3.0371, 0.4155, 0.5083



# Inverse Universe

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



5.7579, 0.1507, 0.0604



7.2633, 0.1505, 0.0603



9.6345, 0.2043, 0.0900



13.9051, 0.2984, 0.3047



3.2648, 0.1508, 0.0605

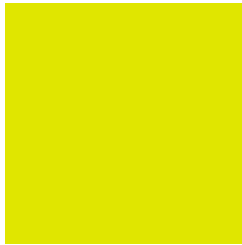


0.2477, 0.1532, 0.0618



# Previews

## White Background



This preview shows how the Yxy color 72.4409, 0.4147, 0.5089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

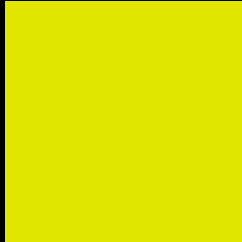
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.4409, 0.4147, 0.5089 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 72.4409, 0.4147, 0.5089**

## Background



This preview shows how black text looks on a background with the Yxy color 72.4409, 0.4147, 0.5089.



This preview shows how white text looks on a background with the Yxy color 72.4409, 0.4147, 0.5089.

# 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

72.4409, 0.4147, 0.5089

### Protanopia

72.3823, 0.4401, 0.4887

### Deuteranopia

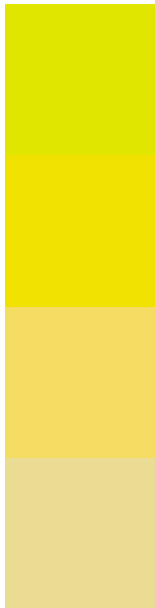
72.2274, 0.3865, 0.3907



## Tritanopia

72.3879, 0.3201, 0.3114

# Trichromacy



## Original Color

72.4409, 0.4147, 0.5089

## Protanomaly

72.3757, 0.4309, 0.4961

## Deuteranomaly

71.3203, 0.4108, 0.4497

## Tritanomaly

70.7854, 0.3736, 0.4082

# Monochromacy



## Original Color

72.4409, 0.4147, 0.5089

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

62.3736, 0.3694, 0.4260

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.4409, 0.4147, 0.5089 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(224, 230, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 230, 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(224, 230, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 230, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 72.4409, 0.4147, 0.5089 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(224, 230, 0) }
```

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

```
.border{ border-color:rgb(224, 230, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 230, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 230, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 230, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 230,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.4409, 0.4147, 0.5089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 230, 0) }
```

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

```
.background{ background-color: rgb(224,  
230, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor