

# Converting Colors

$Y_{xy}(78.3369, 0.4150, 0.5087)$

Have a look what the booklet for  
Yxy(78.3369, 0.4150, 0.5087)  
contains.

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# Color

**Yxy(78.3049, 0.4149, 0.5088)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8EE00
RGB	232, 238, 0
RGB Percent	91%, 93%, 0%
CMY	0.0902, 0.0666, 1.0000
CMYK	0.03, 0.00, 1.00, 0.07
HSL	62°, 100%, 47%
HSV	62°, 100%, 93%
XYZ	63.8536, 78.3049, 11.7427
YIQ	209.0740, 72.8220, -75.2900

# Conversions

## Conversions Part 2

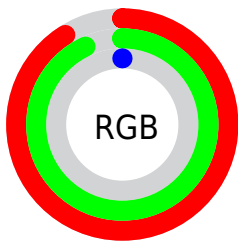
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 238, 6
Decimal	15265280
CIELab	90.92, -22.95, 89.14
CIELCh	91, 92.050, 104.435
Yxy	78.3049, 0.4149, 0.5088
Android (android.graphics.Color)	4293455360 (0xFFE8EE00)
YUV	209.0740, -103.0735, 20.1061
Hunter-Lab	88.4901, -26.0537, 54.0752

# Details

The Yxy color **78.3049, 0.4149, 0.5088** 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 **6.2121, 0.1506, 0.0603**, and the grayscale version is **64.4650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **42.2266, 0.4098, 0.5128** is the 20% darker color. If you saturate the color by 10%, you get **78.3090, 0.4149, 0.5088**, and if you desaturate by 10%, it is **78.4747, 0.4135, 0.5053**.

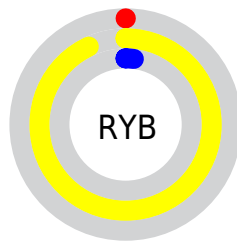
# Distribution



Red (91%)

Green (93%)

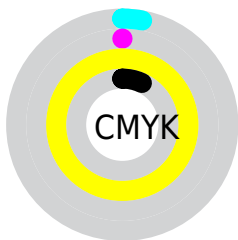
Blue (0%)



Red (0%)

Yellow (93%)

Blue (2%)

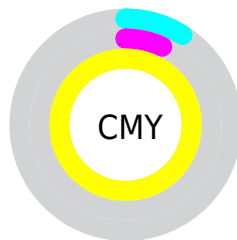


Cyan (3%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (9%)

Magenta (7%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3049, 0.4149, 0.5088 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 78.3049, 0.4149, 0.5088 by changing the saturation by 10% instead.




 78.3049, 0.4149,  
0.5088


 78.3049, 0.4149,  
0.5088


489.2017, 0.3786,  
0.4325


 58.3245, 0.4194,  
0.5228


 130.9798, 0.4053,  
0.4849

 42.0696, 0.4230,  
0.5380


 164.4432, 0.4006,  
0.4748


 29.1558, 0.4247,  
0.5541


 203.1696, 0.3963,  
0.4657


 19.1987, 0.4257,  
0.5743

 247.5434, 0.3922,  
0.4576

 11.8139, 0.4145,  
0.5855

 297.9492, 0.3884,  
0.4504

 6.6171, 0.3984,  
0.6016


 354.7712, 0.3849,


 3.2238, 0.3733,


0.4438


0.6267

418.3939, 0.3816,  
0.4379

 1.2497, 0.3202,  
0.6798


 0.1017, 0.0000,  
1.0000


 78.3049, 0.4149,  
0.5088


 78.3049, 0.4149,  
0.5088

 78.3090, 0.4149,  
0.5088


 78.4747, 0.4135,  
0.5053

 78.7206, 0.4099,  
0.4981


 79.0719, 0.4037,  
0.4866

 79.5434, 0.3948,  
0.4708

 80.1474, 0.3837,  
0.4512

 80.8950, 0.3708,  
0.4287

 81.7958, 0.3567,  
0.4043

 82.8589, 0.3420,  
0.3790

 84.0924, 0.3272,  
0.3537

# Harmonies

## Analogous

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



78.3049, 0.4910, 0.4417



78.3049, 0.4149, 0.5088



78.3049, 0.3192, 0.5277

# Triad

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



78.3049, 0.4149, 0.5088



78.3049, 0.1401, 0.2339



78.3049, 0.3838, 0.2381

# Complementary

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



78.3049, 0.4149, 0.5088



6.2121, 0.1506, 0.0603

# 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.



78.3049, 0.2746, 0.1951



78.3049, 0.4149, 0.5088



78.3049, 0.1508, 0.1872

# Square

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



78.3049, 0.4149, 0.5088



78.3049, 0.1637, 0.3282



78.3049, 0.1945, 0.1768



78.3049, 0.4828, 0.2988



# Rectangle

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



78.3049, 0.4149, 0.5088



78.3049, 0.2555, 0.4879



78.3049, 0.1945, 0.1768



78.3049, 0.3458, 0.2214

# Sweetspot

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



78.3090, 0.4149, 0.5088



95.6505, 0.3569, 0.4046



18.2642, 0.6392, 0.3307



20.3731, 0.3630, 0.4150



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.



78.3090, 0.4149, 0.5088



91.5809, 0.4149, 0.5088



64.7997, 0.3333, 0.5736



18.4375, 0.3264, 0.3524



43.6952, 0.4150, 0.5087



3.6414, 0.4156, 0.5082



# Inverse Universe

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



6.2121, 0.1506, 0.0603



7.2615, 0.1505, 0.0603



10.3821, 0.2041, 0.0898



15.2477, 0.2983, 0.3046



3.4738, 0.1508, 0.0604

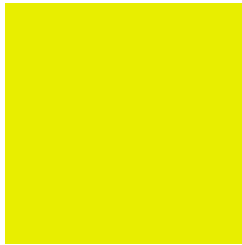


0.2956, 0.1528, 0.0616



# Previews

## White Background



This preview shows how the Yxy color 78.3049, 0.4149, 0.5088 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

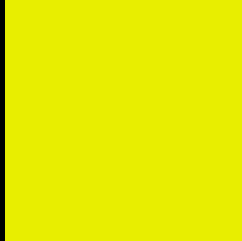
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3049, 0.4149, 0.5088 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 78.3049, 0.4149, 0.5088**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.3049, 0.4149, 0.5088.

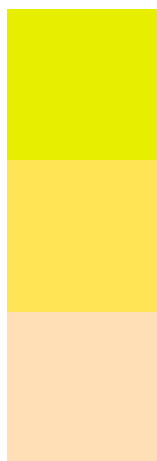


This preview shows how white text looks on a background with the Yxy color 78.3049, 0.4149, 0.5088.

# 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

78.3049, 0.4149, 0.5088

### Protanopia

77.9545, 0.4201, 0.4619

### Deuteranopia

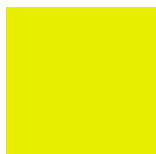
77.9487, 0.3643, 0.3720



## Tritanopia

77.9014, 0.3199, 0.3110

# Trichromacy



## Original Color

78.3049, 0.4149, 0.5088



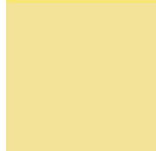
## Protanomaly

77.7537, 0.4228, 0.4843



## Deuteranomaly

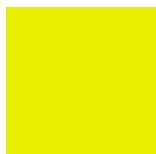
77.0737, 0.3988, 0.4421



## Tritanomaly

76.0824, 0.3739, 0.4078

# Monochromacy



## Original Color

78.3049, 0.4149, 0.5088



## Achromatopsia

63.7597, 0.3127, 0.3290



## Achromatomaly

67.6316, 0.3693, 0.4274

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3049, 0.4149, 0.5088 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(232, 238, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 238, 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(232, 238, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 238, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3049, 0.4149, 0.5088 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(232, 238, 0) }
```

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

```
.border{ border-color:rgb(232, 238, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 238, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 238, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 238, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 238,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3049, 0.4149, 0.5088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 238, 0) }
```

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

```
.background{ background-color: rgb(232,  
238, 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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