

# Converting Colors

$Y_{xy}(71.4638, 0.4279, 0.4978)$

Have a look what the booklet for  
Yxy(71.4638, 0.4279, 0.4978)  
contains.

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**Color**

**Yxy(71.6921, 0.4275, 0.4981)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECE104
RGB	236, 225, 4
RGB Percent	93%, 88%, 2%
CMY	0.0746, 0.1176, 0.9844
CMYK	0.00, 0.05, 0.98, 0.07
HSL	57°, 97%, 47%
HSV	57°, 98%, 93%
XYZ	61.5306, 71.6921, 10.7085
YIQ	203.0950, 77.4970, -66.3990

# Conversions

## Conversions Part 2

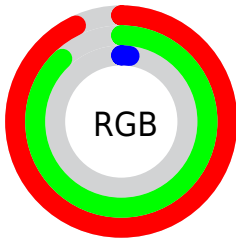
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	16, 236, 4
Decimal	15524100
CIELab	87.82, -14.97, 86.68
CIELCh	88, 87.965, 99.796
Yxy	71.6921, 0.4275, 0.4981
Android (android.graphics.Color)	4293714180 (0xFFECE104)
YUV	203.0950, -98.1538, 28.8577
Hunter-Lab	84.6712, -18.4586, 51.7713

# Details

The Yxy color **71.6921, 0.4275, 0.4981** 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 **6.4195, 0.1512, 0.0632**, and the grayscale version is **60.3748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **37.8634, 0.4244, 0.5013** is the 20% darker color. If you saturate the color by 10%, you get **71.5852, 0.4279, 0.4984**, and if you desaturate by 10%, it is **72.3727, 0.4243, 0.4952**.

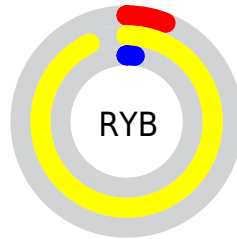
# Distribution



Red (93%)

Green (88%)

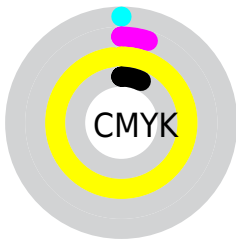
Blue (2%)



Red (6%)

Yellow (93%)

Blue (2%)

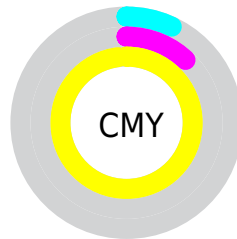


Cyan (0%)

Magenta (5%)

Yellow (98%)

Black (7%)



Cyan (7%)

Magenta (12%)


Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6921, 0.4275, 0.4981 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 71.6921, 0.4275, 0.4981 by changing the saturation by 10% instead.




 71.6921, 0.4275,  
0.4981

 71.6921, 0.4275,  
0.4981

466.4692, 0.3843,  
0.4269


 52.9072, 0.4336,  
0.5108


 121.6187, 0.4154,  
0.4760


 37.7287, 0.4390,  
0.5244


 153.5291, 0.4098,  
0.4666


 25.7722, 0.4427,  
0.5383


 190.5836, 0.4046,  
0.4581

 16.6533, 0.4456,  
0.5544

 233.1664, 0.3999,  
0.4505

 9.9876, 0.4376,  
0.5624

 281.6620, 0.3955,  
0.4437

 5.3907, 0.4259,  
0.5741


 336.4547, 0.3914,

 2.4783, 0.4071,


0.4375

0.5929


397.9290, 0.3877,  
0.4319

 0.8657, 0.3457,  
0.6543


 0.0000, 0.0000,  
0.0000


 71.6921, 0.4275,  
0.4981


 71.6921, 0.4275,  
0.4981

 71.5852, 0.4279,  
0.4984

 72.3727, 0.4243,  
0.4952

 73.1395, 0.4186,  
0.4882

 74.0158, 0.4102,  
0.4768

 75.0157, 0.3993,  
0.4611

■ 76.1511, 0.3863,  
0.4420

■ 77.4323, 0.3717,  
0.4202

■ 78.8690, 0.3563,  
0.3967

■ 80.4696, 0.3406,  
0.3725

■ 82.2421, 0.3251,  
0.3485

# Harmonies

## Analogous

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



71.6921, 0.4972, 0.4296



71.6921, 0.4275, 0.4981



71.6921, 0.3346, 0.5270

# Triad

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



71.6921, 0.4275, 0.4981



71.6921, 0.1434, 0.2466



71.6921, 0.3654, 0.2314

# Complementary

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



71.6921, 0.4275, 0.4981



6.4195, 0.1512, 0.0632

# 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.



71.6921, 0.2607, 0.1922



71.6921, 0.4275, 0.4981



71.6921, 0.1490, 0.1936

# Square

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



71.6921, 0.4275, 0.4981



71.6921, 0.1728, 0.3468



71.6921, 0.1870, 0.1783



71.6921, 0.4680, 0.2895



# Rectangle

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



71.6921, 0.4275, 0.4981



71.6921, 0.2707, 0.4980



71.6921, 0.1870, 0.1783



71.6921, 0.3284, 0.2158

# Sweetspot

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



71.6955, 0.4275, 0.4981



93.9118, 0.3576, 0.3986



17.9495, 0.6338, 0.3277



19.9403, 0.3642, 0.4088



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.



71.6955, 0.4275, 0.4981



85.3411, 0.4280, 0.4984



64.8506, 0.3435, 0.5646



17.4980, 0.3269, 0.3512



39.5279, 0.4278, 0.4985



3.1415, 0.4265, 0.4996



# Inverse Universe

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



6.4195, 0.1512, 0.0632



7.4838, 0.1506, 0.0620



9.3523, 0.1933, 0.0844



14.6629, 0.2980, 0.3058



3.5237, 0.1508, 0.0630

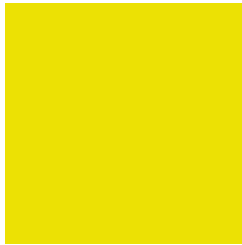


0.3170, 0.1531, 0.0711



# Previews

## White Background



This preview shows how the Yxy color 71.6921, 0.4275, 0.4981 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

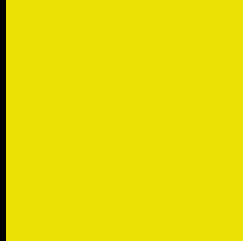
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.6921, 0.4275, 0.4981 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 71.6921, 0.4275, 0.4981**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.6921, 0.4275, 0.4981.

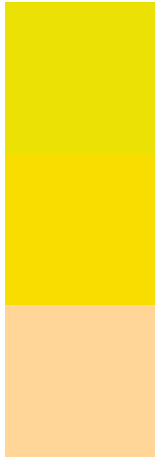


This preview shows how white text looks on a background with the Yxy color 71.6921, 0.4275, 0.4981.

# 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

71.6921, 0.4275, 0.4981

### Protanopia

71.6694, 0.4402, 0.4887

### Deuteranopia

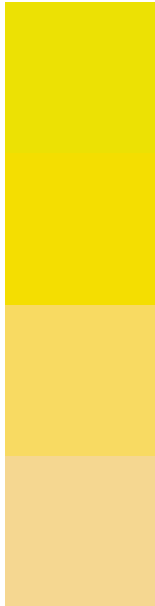
71.5875, 0.3898, 0.3937



## Tritanopia

71.3612, 0.3322, 0.3127

# Trichromacy



## Original Color

71.6921, 0.4275, 0.4981

## Protanomaly

71.4778, 0.4363, 0.4916

## Deuteranomaly

70.9811, 0.4157, 0.4471

## Tritanomaly

70.0577, 0.3857, 0.4029

# Monochromacy



## Original Color

71.6921, 0.4275, 0.4981

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

62.6743, 0.3726, 0.4214

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.6921, 0.4275, 0.4981 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(236, 225, 4)` looks like.

```
.text, #text, p{  
    color:rgb(236, 225, 4)  
}
```

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(236, 225, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 225, 4) }
```

## Border

The CSS property to change the border of an element to Yxy 71.6921, 0.4275, 0.4981 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(236, 225, 4) }
```

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

```
.border{ border-color:rgb(236, 225, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 225, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 225, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 225, 4);  
box-shadow:4px 4px 4px 4px rgb(236, 225,  
4) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.6921, 0.4275, 0.4981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 225, 4) }
```

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

```
.background{ background-color: rgb(236,  
225, 4) }
```

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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