

# Converting Colors

Yxy(61.1638, 0.4379, 0.4848)

Have a look what the booklet for  
Yxy(61.1638, 0.4379, 0.4848)  
contains.

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# **Color**

**Yxy(61.1975, 0.4375, 0.4851)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7CE18
RGB	231, 206, 24
RGB Percent	91%, 81%, 9%
CMY	0.0941, 0.1921, 0.9061
CMYK	0.00, 0.11, 0.90, 0.09
HSL	53°, 81%, 50%
HSV	53°, 90%, 91%
XYZ	55.1926, 61.1975, 9.7644
YIQ	192.7270, 73.3220, -51.3020

# Conversions

## Conversions Part 2

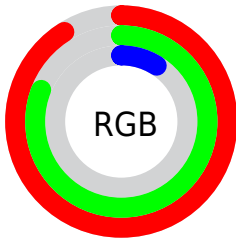
Format	Color
<a href="#">RYB</a>	<a href="#">52, 231, 24</a>
Decimal	<a href="#">15191576</a>
CIELab	<a href="#">82.48, -7.36, 80.28</a>
CIELCh	<a href="#">82, 80.617, 95.239</a>
Yxy	<a href="#">61.1975, 0.4375, 0.4851</a>
Android (android.graphics.Color)	<a href="#">4293381656</a> ( <a href="#">0xFFE7CE18</a> )
YUV	<a href="#">192.7270, -83.1824, 33.5654</a>
Hunter-Lab	<a href="#">78.2288, -10.9639, 47.3597</a>

# Details

The Yxy color **61.1975, 0.4375, 0.4851** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **8.1567, 0.1583, 0.0812**, and the grayscale version is **53.6246, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5882, 0.4009, 0.4748**, and **31.1144, 0.4402, 0.4887** is the 20% darker color. If you saturate the color by 10%, you get **59.8052, 0.4425, 0.4867**, and if you desaturate by 10%, it is **62.6955, 0.4300, 0.4795**.

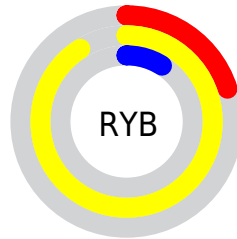
# Distribution



Red (91%)

Green (81%)

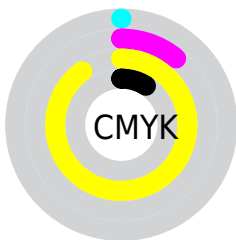
Blue (9%)



Red (20%)

Yellow (91%)

Blue (9%)

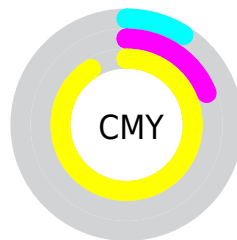


Cyan (0%)

Magenta (11%)

Yellow (90%)

Black (9%)



Cyan (9%)

Magenta (19%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.1975, 0.4375, 0.4851 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 61.1975, 0.4375, 0.4851 by changing the saturation by 10% instead.




 61.1975, 0.4375,  
0.4851


 61.1975, 0.4375,  
0.4851

428.9978, 0.3870,  
0.4185


 44.3846, 0.4455,  
0.4969


 106.5648, 0.4226,  
0.4644

 30.9730, 0.4533,  
0.5094


 135.8881, 0.4159,  
0.4555

 20.5783, 0.4599,  
0.5220

 170.1502, 0.4099,  
0.4476

 12.8161, 0.4651,  
0.5349

 209.7355, 0.4044,  
0.4405

 7.3020, 0.4605,  
0.5395

 255.0286, 0.3994,  
0.4341

 3.6517, 0.4534,  
0.5466

 306.4137, 0.3949,

 1.4807, 0.4412,

0.4284

0.5588

364.2753, 0.3908,  
0.4232

■ 0.2751, 0.2291,  
0.7709

■ 0.0000, 0.0000,  
0.0000

■ 61.1975, 0.4375,  
0.4851

■ 61.1975, 0.4375,  
0.4851

■ 59.8052, 0.4425,  
0.4867


■ 62.6955, 0.4300,  
0.4795


■ 59.7545, 0.4426,  
0.4867


■ 64.3131, 0.4197,  
0.4694


■ 66.0670, 0.4069,  
0.4550


■ 67.9688, 0.3922,  
0.4371

 70.0288, 0.3763,  
0.4167

 72.2560, 0.3598,  
0.3948

 74.6588, 0.3433,  
0.3723

 77.2451, 0.3273,  
0.3499

 80.0219, 0.3122,  
0.3282

# Harmonies

## Analogous

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



61.1975, 0.4990, 0.4173



61.1975, 0.4375, 0.4851



61.1975, 0.3493, 0.5206

# Triad

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



61.1975, 0.4375, 0.4851



61.1975, 0.1499, 0.2615



61.1975, 0.3475, 0.2269

# Complementary

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



61.1975, 0.4375, 0.4851



8.1567, 0.1583, 0.0812

# 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.



61.1975, 0.2493, 0.1920



61.1975, 0.4375, 0.4851



61.1975, 0.1503, 0.2027

# Square

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



61.1975, 0.4375, 0.4851



61.1975, 0.1847, 0.3645



61.1975, 0.1827, 0.1825



61.1975, 0.4500, 0.2816



# Rectangle

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



61.1975, 0.4375, 0.4851



61.1975, 0.2866, 0.5016



61.1975, 0.1827, 0.1825



61.1975, 0.3123, 0.2127

# Sweetspot

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



61.2004, 0.4375, 0.4851



91.1411, 0.3557, 0.3892



17.8855, 0.5984, 0.3158



19.2940, 0.3613, 0.3969



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.



61.2004, 0.4375, 0.4851



74.6827, 0.4428, 0.4866



64.1987, 0.3598, 0.5464



16.5044, 0.3271, 0.3495



33.6196, 0.4422, 0.4871



2.5685, 0.4384, 0.4901



# Inverse Universe

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



8.1567, 0.1583, 0.0812



8.1892, 0.1520, 0.0672



9.1235, 0.1896, 0.0865



14.1661, 0.2980, 0.3077



3.7914, 0.1526, 0.0691



0.3727, 0.1580, 0.0886



# Previews

## White Background



This preview shows how the Yxy color 61.1975, 0.4375, 0.4851 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 61.1975, 0.4375, 0.4851 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 61.1975, 0.4375, 0.4851**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.1975, 0.4375, 0.4851.



This preview shows how white text looks on a background with the Yxy color 61.1975, 0.4375, 0.4851.

# 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

61.1975, 0.4375, 0.4851

### Protanopia

61.1975, 0.4375, 0.4851

### Deuteranopia

61.2209, 0.4498, 0.4428



## Tritanopia

61.2102, 0.3436, 0.3142

# Trichromacy



## Original Color

61.1975, 0.4375, 0.4851

## Protanomaly

61.1975, 0.4375, 0.4851

## Deuteranomaly

61.1772, 0.4468, 0.4606

## Tritanomaly

60.1767, 0.3922, 0.3915

# Monochromacy



## Original Color

61.1975, 0.4375, 0.4851

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

55.3195, 0.3703, 0.4089

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.1975, 0.4375, 0.4851 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(231, 206, 24)` looks like.

```
.text, #text, p{  
    color:rgb(231, 206, 24)  
}
```

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(231, 206, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 206, 24) }
```

## Border

The CSS property to change the border of an element to Yxy 61.1975, 0.4375, 0.4851 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(231, 206, 24) }
```

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

```
.border{ border-color:rgb(231, 206, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 206, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 206, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 206, 24);  
box-shadow:4px 4px 4px 4px rgb(231, 206,  
24) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.1975, 0.4375, 0.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 206, 24) }
```

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

```
.background{ background-color: rgb(231,  
206, 24) }
```

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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