

# Converting Colors

Yxy(63.1201, 0.4375, 0.4908)

Have a look what the booklet for  
Yxy(63.1201, 0.4375, 0.4908)  
contains.

<b>Yxy(63.2490, 0.4373, 0.4910)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**Yxy(63.2490, 0.4373, 0.4910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8D200
RGB	232, 210, 0
RGB Percent	91%, 82%, 0%
CMY	0.0901, 0.1765, 1.0000
CMYK	0.00, 0.09, 1.00, 0.09
HSL	54°, 100%, 45%
HSV	54°, 100%, 91%
XYZ	56.3315, 63.2490, 9.2362
YIQ	192.6380, 80.5220, -60.6460

# Conversions

## Conversions Part 2

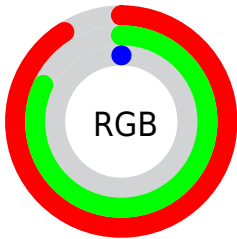
Format	Color
R <sub>Y</sub> B	24, 232, 0
Decimal	15258112
CIE Lab	83.57, -9.20, 83.80
CIE LCh	84, 84.305, 96.267
Yxy	63.2490, 0.4373, 0.4910
Android (android.graphics.Color)	4293448192 (0xFFE8D200)
YUV	192.6380, -94.9705, 34.5205
Hunter-Lab	79.5292, -12.7424, 48.7848

# Details

The Yxy color **63.2490, 0.4373, 0.4910** 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 **6.4027, 0.1515, 0.0653**, and the grayscale version is **53.6413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4681, 0.4035, 0.4791**, and **32.4349, 0.4355, 0.4924** is the 20% darker color. If you saturate the color by 10%, you get **63.2522, 0.4373, 0.4910**, and if you desaturate by 10%, it is **64.4102, 0.4331, 0.4891**.

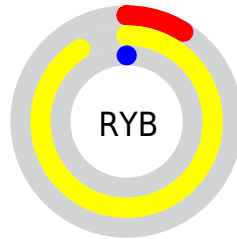
# Distribution



Red (91%)

Green (82%)

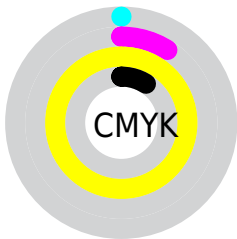
Blue (0%)



Red (9%)

Yellow (91%)

Blue (0%)

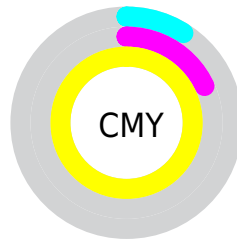


Cyan (0%)

Magenta (9%)

Yellow (100%)

Black (9%)



Cyan (9%)

Magenta (18%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2490, 0.4373, 0.4910 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 63.2490, 0.4373, 0.4910 by changing the saturation by 10% instead.




 63.2490, 0.4373,  
0.4910

 63.2490, 0.4373,  
0.4910


436.4726, 0.3882,  
0.4226


 46.0427, 0.4447,  
0.5029


 109.5287, 0.4231,  
0.4699


 32.2795, 0.4515,  
0.5154


 139.3708, 0.4167,  
0.4608


 21.5751, 0.4572,  
0.5282


 174.1936, 0.4108,  
0.4527

 13.5450, 0.4600,  
0.5400

 214.3816, 0.4054,  
0.4454

 7.8049, 0.4544,  
0.5456

 260.3191, 0.4005,  
0.4388

 3.9704, 0.4459,  
0.5541


 312.3905, 0.3961,


 1.6570, 0.4315,


0.4328


0.5685


370.9802, 0.3920,  
0.4275


 0.3956, 0.2767,  
0.7233


 0.0000, 0.0000,  
0.0000


 63.2490, 0.4373,  
0.4910


 63.2490, 0.4373,  
0.4910

 63.2522, 0.4373,  
0.4910

 64.4102, 0.4331,  
0.4891

 65.6583, 0.4265,  
0.4833

 67.0205, 0.4171,  
0.4731

 68.5108, 0.4052,  
0.4586

■ 70.1409, 0.3913,  
0.4405

■ 71.9211, 0.3759,  
0.4198

■ 73.8607, 0.3599,  
0.3974

■ 75.9680, 0.3437,  
0.3743

■ 78.2508, 0.3278,  
0.3513

# Harmonies

## Analogous

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



63.2490, 0.5026, 0.4209



63.2490, 0.4373, 0.4910



63.2490, 0.3460, 0.5274

# Triad

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



63.2490, 0.4373, 0.4910



63.2490, 0.1450, 0.2560



63.2490, 0.3522, 0.2257

# Complementary

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



63.2490, 0.4373, 0.4910



6.4027, 0.1515, 0.0653

# 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.



63.2490, 0.2502, 0.1893



63.2490, 0.4373, 0.4910



63.2490, 0.1468, 0.1977

# Square

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



63.2490, 0.4373, 0.4910



63.2490, 0.1789, 0.3612



63.2490, 0.1808, 0.1785



63.2490, 0.4577, 0.2820



# Rectangle

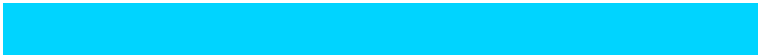
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.2490, 0.4373, 0.4910



63.2490, 0.2818, 0.5062



63.2490, 0.1808, 0.1785



63.2490, 0.3156, 0.2109

# Sweetspot

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



63.2522, 0.4373, 0.4910



91.4675, 0.3601, 0.3978



17.2230, 0.6304, 0.3247



19.3548, 0.3670, 0.4074



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.



63.2522, 0.4373, 0.4910



78.2939, 0.4374, 0.4909



63.2360, 0.3503, 0.5601



16.5709, 0.3270, 0.3501



35.2075, 0.4370, 0.4912



2.6702, 0.4341, 0.4935



# Inverse Universe

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



6.4027, 0.1515, 0.0653



7.8820, 0.1514, 0.0649



8.1450, 0.1831, 0.0782



14.1061, 0.2980, 0.3070



3.6337, 0.1518, 0.0666



0.3441, 0.1563, 0.0828



# Previews

## White Background



This preview shows how the Yxy color 63.2490, 0.4373, 0.4910 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

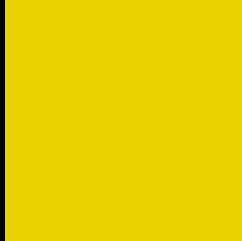
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.2490, 0.4373, 0.4910 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 63.2490, 0.4373, 0.4910**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.2490, 0.4373, 0.4910.

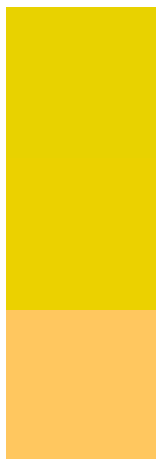


This preview shows how white text looks on a background with the Yxy color 63.2490, 0.4373, 0.4910.

# 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

63.2490, 0.4373, 0.4910

### Protanopia

63.2631, 0.4405, 0.4884

### Deuteranopia

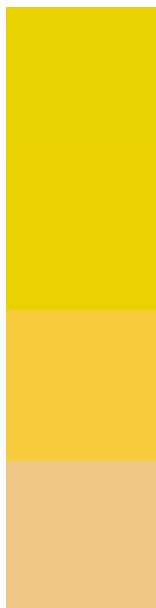
62.9331, 0.4357, 0.4302



## Tritanopia

62.9165, 0.3408, 0.3132

# Trichromacy



## Original Color

63.2490, 0.4373, 0.4910

## Protanomaly

63.0934, 0.4397, 0.4890

## Deuteranomaly

62.8123, 0.4433, 0.4600

## Tritanomaly

61.5550, 0.3962, 0.4006

# Monochromacy



## Original Color

63.2490, 0.4373, 0.4910

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

55.5423, 0.3764, 0.4204

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.2490, 0.4373, 0.4910 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, 210, 0)` looks like.

```
.text, #text, p{  
    color:rgb(232, 210, 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, 210, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 210, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 63.2490, 0.4373, 0.4910 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, 210, 0) }
```

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

```
.border{ border-color:rgb(232, 210, 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, 210, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 210, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 210, 0);  
box-shadow:4px 4px 4px 4px rgb(232, 210,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.2490, 0.4373, 0.4910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 210, 0) }
```

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

```
.background{ background-color: rgb(232,  
210, 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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