

# Converting Colors

$Yxy(58.9738, 0.4338, 0.4879)$

Have a look what the booklet for  
Yxy(58.9738, 0.4338, 0.4879)  
contains.

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**Color**

**Yxy(59.0990, 0.4335, 0.4880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0CC18
RGB	224, 204, 24
RGB Percent	88%, 80%, 9%
CMY	0.1216, 0.2000, 0.9057
CMYK	0.00, 0.09, 0.89, 0.12
HSL	54°, 81%, 49%
HSV	54°, 89%, 88%
XYZ	52.4988, 59.0990, 9.5067
YIQ	189.4600, 69.7000, -51.7400

# Conversions

## Conversions Part 2

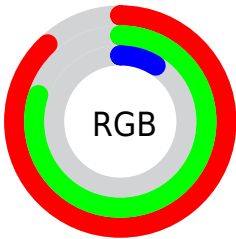
Format	Color
<a href="#">RYB</a>	<a href="#">46, 224, 24</a>
Decimal	<a href="#">14732312</a>
<a href="#">CIELab</a>	<a href="#">81.35, -9.35, 79.11</a>
<a href="#">CIElCh</a>	<a href="#">81, 79.662, 96.742</a>
<a href="#">Yxy</a>	<a href="#">59.0990, 0.4335, 0.4880</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4292922392 (0xFFE0CC18)</a>
<a href="#">YUV</a>	<a href="#">189.4600, -81.5718, 30.2916</a>
<a href="#">Hunter-Lab</a>	<a href="#">76.8759, -12.6345, 46.4811</a>

# Details

The Yxy color **59.0990, 0.4335, 0.4880** 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 **7.3818, 0.1580, 0.0791**, and the grayscale version is **51.6186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **29.7052, 0.4350, 0.4928** is the 20% darker color. If you saturate the color by 10%, you get **57.9820, 0.4380, 0.4901**, and if you desaturate by 10%, it is **60.3091, 0.4265, 0.4819**.

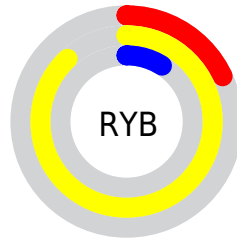
# Distribution



Red (88%)

Green (80%)

Blue (9%)



Red (18%)

Yellow (88%)

Blue (9%)

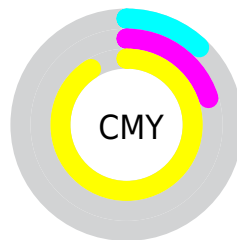


Cyan (0%)

Magenta (9%)

Yellow (89%)

Black (12%)



Cyan (12%)

Magenta (20%)


Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 59.0990, 0.4335, 0.4880 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 59.0990, 0.4335, 0.4880 by changing the saturation by 10% instead.





 59.0990, 0.4335,  
0.4880

 59.0990, 0.4335,  
0.4880

421.2687, 0.3846,  
0.4190


 42.6928, 0.4412,  
0.5005


 103.5215, 0.4191,  
0.4663


 29.6442, 0.4485,  
0.5139


 132.3067, 0.4126,  
0.4571

 19.5687, 0.4546,  
0.5277


 165.9869, 0.4068,  
0.4489

 12.0819, 0.4585,  
0.5415

 204.9467, 0.4014,  
0.4416

 6.7995, 0.4523,  
0.5477

 249.5704, 0.3966,  
0.4350

 3.3370, 0.4427,  
0.5573

 300.2423, 0.3922,

 1.3101, 0.4258,

0.4291

0.5742

357.3470, 0.3882,  
0.4238

■ 0.1490, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.0990, 0.4335,  
0.4880

■ 59.0990, 0.4335,  
0.4880

■ 57.9820, 0.4380,  
0.4901

■ 60.3091, 0.4265,  
0.4819

■ 57.9009, 0.4383,  
0.4902

■ 61.6241, 0.4167,  
0.4714

■ 63.0593, 0.4045,  
0.4566

■ 64.6256, 0.3903,  
0.4384

■ 66.3321, 0.3748,  
0.4176

■ 68.1874, 0.3587,  
0.3952

■ 70.1991, 0.3425,  
0.3723

■ 72.3744, 0.3267,  
0.3495

■ 74.7198, 0.3116,  
0.3274

# Harmonies

## Analogous

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



59.0990, 0.4969, 0.4209



59.0990, 0.4335, 0.4880



59.0990, 0.3446, 0.5205

# Triad

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



59.0990, 0.4335, 0.4880



59.0990, 0.1492, 0.2575



59.0990, 0.3529, 0.2292

# Complementary

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



59.0990, 0.4335, 0.4880



7.3818, 0.1580, 0.0791

# 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.



59.0990, 0.2536, 0.1932



59.0990, 0.4335, 0.4880



59.0990, 0.1512, 0.2009

# Square

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



59.0990, 0.4335, 0.4880



59.0990, 0.1821, 0.3585



59.0990, 0.1852, 0.1824



59.0990, 0.4543, 0.2847



# Rectangle

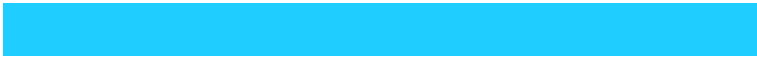
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.0990, 0.4335, 0.4880



59.0990, 0.2820, 0.4984



59.0990, 0.1852, 0.1824



59.0990, 0.3175, 0.2147

# Sweetspot

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



59.1018, 0.4335, 0.4880



92.0170, 0.3553, 0.3905



16.7112, 0.6007, 0.3178



19.5041, 0.3609, 0.3984



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.



59.1018, 0.4335, 0.4880



77.5755, 0.4384, 0.4901



59.6135, 0.3575, 0.5476



15.7830, 0.3270, 0.3499



33.7992, 0.4380, 0.4905



2.4114, 0.4347, 0.4930



# Inverse Universe

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



7.3818, 0.1580, 0.0791



7.9368, 0.1515, 0.0653



8.7868, 0.1929, 0.0887



13.4627, 0.2981, 0.3072



3.5522, 0.1520, 0.0671



0.3223, 0.1569, 0.0850



# Previews

## White Background



This preview shows how the Yxy color 59.0990, 0.4335, 0.4880 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 59.0990, 0.4335, 0.4880 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 59.0990, 0.4335, 0.4880**

## **Background**



This preview shows how black text looks on a background with the Yxy color 59.0990, 0.4335, 0.4880.



This preview shows how white text looks on a background with the Yxy color 59.0990, 0.4335, 0.4880.

# 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

59.0990, 0.4335, 0.4880

### Protanopia

59.2718, 0.4377, 0.4848

### Deuteranopia

59.0806, 0.4671, 0.4570



## Tritanopia

59.0194, 0.3398, 0.3138

# Trichromacy



## Original Color

59.0990, 0.4335, 0.4880

## Protanomaly

59.1087, 0.4369, 0.4854

## Deuteranomaly

58.8119, 0.4557, 0.4677

## Tritanomaly

58.0501, 0.3879, 0.3919

# Monochromacy



## Original Color

59.0990, 0.4335, 0.4880

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

52.7251, 0.3697, 0.4094

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 59.0990, 0.4335, 0.4880 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, 204, 24)` looks like.

```
.text, #text, p{  
    color:rgb(224, 204, 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(224, 204, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 204, 24) }
```

## Border

The CSS property to change the border of an element to Yxy 59.0990, 0.4335, 0.4880 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, 204, 24) }
```

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

```
.border{ border-color:rgb(224, 204, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 204, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 204, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 204, 24);  
box-shadow:4px 4px 4px 4px rgb(224, 204,  
24) }
```



# Background

The CSS property to change the background color of an element to Yxy 59.0990, 0.4335, 0.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 204, 24) }
```

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

```
.background{ background-color: rgb(224,  
204, 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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