

# Converting Colors

$Yxy(37.8644, 0.4817, 0.4265)$

Have a look what the booklet for  
Yxy(37.8644, 0.4817, 0.4265)  
contains.

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# Color

**Yxy(37.9027, 0.4809, 0.4268)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E29533
RGB	226, 149, 51
RGB Percent	89%, 58%, 20%
CMY	0.1138, 0.4156, 0.8000
CMYK	0.00, 0.34, 0.77, 0.11
HSL	34°, 75%, 54%
HSV	34°, 77%, 89%
XYZ	42.7071, 37.9027, 8.1969
YIQ	160.8510, 77.3500, -14.1540

# Conversions

## Conversions Part 2

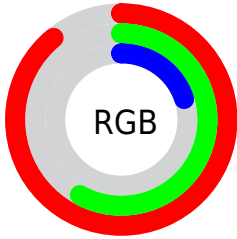
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 226, 51
Decimal	14849331
CIELab	67.95, 21.12, 60.29
CIELCh	68, 63.881, 70.699
Yxy	37.9027, 0.4809, 0.4268
Android (android.graphics.Color)	4293039411 (0xFFE29533)
YUV	160.8510, -54.1565, 57.1357
Hunter-Lab	61.5652, 16.0846, 35.2017

# Details

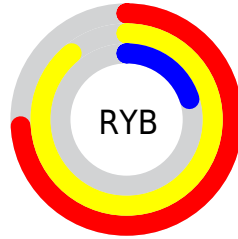
The Yxy color **37.9027, 0.4809, 0.4268** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **21.6281, 0.1911, 0.1812**, and the grayscale version is **35.7985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9713, 0.4275, 0.4267**, and **16.7347, 0.5125, 0.4313** is the 20% darker color. If you saturate the color by 10%, you get **34.7383, 0.5025, 0.4276**, and if you desaturate by 10%, it is **41.4363, 0.4568, 0.4209**.

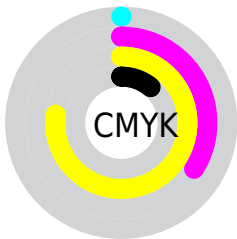
# Distribution



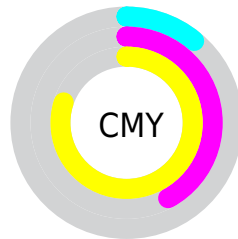
- Red (89%)
- Green (58%)
- Blue (20%)



- Red (74%)
- Yellow (89%)
- Blue (20%)



- Cyan (0%)
- Magenta (34%)
- Yellow (77%)
- Black (11%)




- Cyan (11%)
- Magenta (42%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.9027, 0.4809, 0.4268 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 37.9027, 0.4809, 0.4268 by changing the saturation by 10% instead.





 37.9027, 0.4809,  
0.4268


 37.9027, 0.4809,  
0.4268


337.2024, 0.3991,  
0.3863


 25.9072, 0.4984,  
0.4326


 71.9590, 0.4529,  
0.4150

 16.7542, 0.5185,  
0.4372

 94.7885, 0.4418,  
0.4097


 10.0594, 0.5436,  
0.4407


 121.9982, 0.4322,  
0.4048

 5.4384, 0.5662,  
0.4338

 153.9724, 0.4238,  
0.4003

 2.5067, 0.5875,  
0.4125

 191.0955, 0.4165,  
0.3963

 0.8800, 0.6242,  
0.3758

 233.7520, 0.4100,

 0.0000, 1.0000,

0.3927

0.0000

282.3261, 0.4042,  
0.3893

0.0000, 0.0000,  
0.0000

37.9027, 0.4809,  
0.4268

37.9027, 0.4809,  
0.4268

34.7383, 0.5025,  
0.4276

41.4363, 0.4568,  
0.4209

31.9141, 0.5205,  
0.4231


45.3521, 0.4318,  
0.4109

31.2363, 0.5248,  
0.4215

49.6688, 0.4070,  
0.3982


54.4019, 0.3834,  
0.3838

59.5653, 0.3617,  
0.3688

 65.1727, 0.3420,  
0.3538

 71.2364, 0.3244,  
0.3393

 77.7687, 0.3089,  
0.3256

 84.7809, 0.2953,  
0.3128

# Harmonies

## Analogous

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



37.9027, 0.4986, 0.3599



37.9027, 0.4809, 0.4268



37.9027, 0.4179, 0.4860

# Triad

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



37.9027, 0.4809, 0.4268



37.9027, 0.1841, 0.3430



37.9027, 0.2686, 0.2038

# Complementary

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



37.9027, 0.4809, 0.4268



21.6281, 0.1911, 0.1812

# 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.



37.9027, 0.1992, 0.1903



37.9027, 0.4809, 0.4268



37.9027, 0.1566, 0.2536

# Square

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



37.9027, 0.4809, 0.4268



37.9027, 0.2469, 0.4487



37.9027, 0.1623, 0.2046



37.9027, 0.3639, 0.2411



# Rectangle

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



37.9027, 0.4809, 0.4268



37.9027, 0.3623, 0.5061



37.9027, 0.1623, 0.2046



37.9027, 0.2419, 0.1965

# Sweetspot

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



37.9046, 0.4809, 0.4268



81.4103, 0.3530, 0.3623



20.1401, 0.4588, 0.2527



16.8629, 0.3604, 0.3678



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.



37.9046, 0.4809, 0.4268



43.3316, 0.5140, 0.4254



69.4158, 0.4050, 0.4978



14.9676, 0.3278, 0.3421



18.0623, 0.5227, 0.4232



1.4295, 0.5025, 0.4392



# Inverse Universe

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



21.6281, 0.1911, 0.1812



21.3095, 0.1756, 0.1480



8.8113, 0.1704, 0.0896



14.2306, 0.2981, 0.3155



8.4970, 0.1719, 0.1390



0.7651, 0.1802, 0.1688



# Previews

## White Background



This preview shows how the Yxy color 37.9027, 0.4809, 0.4268 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 37.9027, 0.4809, 0.4268 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 37.9027, 0.4809, 0.4268**

## **Background**



This preview shows how black text looks on a background with the Yxy color 37.9027, 0.4809, 0.4268.



This preview shows how white text looks on a background with the Yxy color 37.9027, 0.4809, 0.4268.

# 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

37.9027, 0.4809, 0.4268

### Protanopia

37.9971, 0.4227, 0.4642

### Deuteranopia

38.0770, 0.4564, 0.4482



## Tritanopia

37.8231, 0.4019, 0.3166

# Trichromacy



**Original Color**

37.9027, 0.4809, 0.4268

**Protanomaly**

37.8255, 0.4445, 0.4504

**Deuteranomaly**

38.1115, 0.4656, 0.4403

**Tritanomaly**

37.6828, 0.4376, 0.3624

# Monochromacy



**Original Color**

37.9027, 0.4809, 0.4268

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

35.8087, 0.3760, 0.3791

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.9027, 0.4809, 0.4268 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(226, 149, 51)` looks like.

```
.text, #text, p{  
    color:rgb(226, 149, 51)  
}
```

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(226, 149, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 149, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 37.9027, 0.4809, 0.4268 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(226, 149, 51) }
```

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

```
.border{ border-color:rgb(226, 149, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 149, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 149, 51); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 149, 51); box-shadow:4px 4px 4px 4px rgb(226, 149, 51) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.9027, 0.4809, 0.4268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 149, 51) }
```

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

```
.background{ background-color: rgb(226,  
149, 51) }
```

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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