

# Converting Colors

$Y_{xy}(37.8265, 0.4781, 0.4200)$

Have a look what the booklet for  
Yxy(37.8265, 0.4781, 0.4200)  
contains.

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# Color

**Yxy(37.8265, 0.4781, 0.4200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3943B
RGB	227, 148, 59
RGB Percent	89%, 58%, 23%
CMY	0.1098, 0.4196, 0.7684
CMYK	0.00, 0.35, 0.74, 0.11
HSL	32°, 75%, 56%
HSV	32°, 74%, 89%
XYZ	43.0592, 37.8265, 9.1774
YIQ	161.4750, 75.6530, -10.9310

# Conversions

## Conversions Part 2

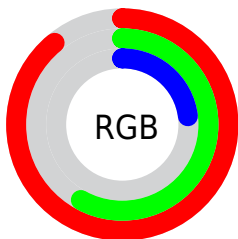
Format	Color
R <sub>Y</sub> B	208, 227, 59
Decimal	14914619
CIE Lab	67.89, 22.41, 56.95
CIE LCh	68, 61.202, 68.524
Yxy	37.8265, 0.4781, 0.4200
Android (android.graphics.Color)	4293104699 (0xFFE3943B)
YUV	161.4750, -50.5202, 57.4654
Hunter-Lab	61.5033, 17.3393, 34.2051

# Details

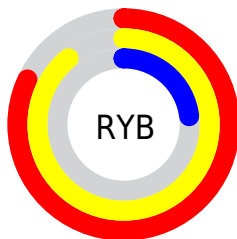
The Yxy color **37.8265, 0.4781, 0.4200** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **24.6709, 0.1973, 0.1965**, and the grayscale version is **36.0909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6488, 0.4237, 0.4199**, and **16.6564, 0.5152, 0.4291** is the 20% darker color. If you saturate the color by 10%, you get **34.4448, 0.5022, 0.4220**, and if you desaturate by 10%, it is **41.6235, 0.4521, 0.4132**.

# Distribution



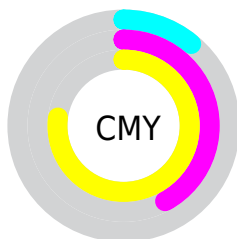
- Red (89%)
- Green (58%)
- Blue (23%)



- Red (82%)
- Yellow (89%)
- Blue (23%)



- Cyan (0%)
- Magenta (35%)
- Yellow (74%)
- Black (11%)




- Cyan (11%)
- Magenta (42%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8265, 0.4781, 0.4200 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 37.8265, 0.4781, 0.4200 by changing the saturation by 10% instead.





 37.8265, 0.4781,  
0.4200


 37.8265, 0.4781,  
0.4200

336.8751, 0.3967,  
0.3821


 25.8481, 0.4960,  
0.4256


 71.8421, 0.4499,  
0.4089


 16.7100, 0.5170,  
0.4302


 94.6481, 0.4388,  
0.4038


 10.0279, 0.5421,  
0.4327


 121.8321, 0.4293,  
0.3993

 5.4175, 0.5708,  
0.4292

 153.7784, 0.4210,  
0.3951

 2.4942, 0.5932,  
0.4068

 190.8714, 0.4138,  
0.3914

 0.8738, 0.6318,  
0.3682

 233.4956, 0.4074,

 0.0000, 1.0000,

0.3880

0.0000

282.0354, 0.4018,  
0.3849

■ 0.0000, 0.0000,  
0.0000

■ 37.8265, 0.4781,  
0.4200

■ 37.8265, 0.4781,  
0.4200

■ 34.4448, 0.5022,  
0.4220

■ 41.6235, 0.4521,  
0.4132

■ 31.4499, 0.5229,  
0.4185

■ 45.8497, 0.4257,  
0.4028

■ 29.8175, 0.5339,  
0.4143

■ 50.5250, 0.4003,  
0.3901

■ 55.6658, 0.3766,  
0.3761

■ 61.2876, 0.3551,  
0.3618

67.4049, 0.3359,  
0.3477

74.0315, 0.3189,  
0.3342

81.1806, 0.3040,  
0.3215

88.3144, 0.2956,  
0.3180

# Harmonies

## Analogous

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



37.8265, 0.4903, 0.3552



37.8265, 0.4781, 0.4200



37.8265, 0.4204, 0.4774

# Triad

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



37.8265, 0.4781, 0.4200



37.8265, 0.1921, 0.3502



37.8265, 0.2646, 0.2061

# Complementary

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



37.8265, 0.4781, 0.4200



24.6709, 0.1973, 0.1965

# 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.



37.8265, 0.1995, 0.1949



37.8265, 0.4781, 0.4200



37.8265, 0.1626, 0.2620

# Square

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



37.8265, 0.4781, 0.4200



37.8265, 0.2554, 0.4493



37.8265, 0.1658, 0.2113



37.8265, 0.3551, 0.2409



# Rectangle

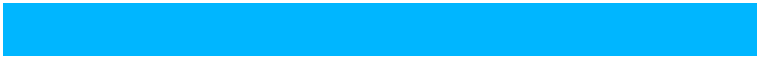
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37.8265, 0.4781, 0.4200



37.8265, 0.3676, 0.4980



37.8265, 0.1658, 0.2113



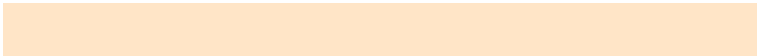
37.8265, 0.2395, 0.1996

# Sweetspot

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



37.8284, 0.4781, 0.4200



81.2028, 0.3514, 0.3591



21.3654, 0.4399, 0.2473



16.9328, 0.3569, 0.3630



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.



37.8284, 0.4781, 0.4200



42.6014, 0.5143, 0.4207



71.1337, 0.4074, 0.4907



15.6253, 0.3279, 0.3415



17.6254, 0.5317, 0.4160



1.4882, 0.5108, 0.4326



# Inverse Universe

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



24.6709, 0.1973, 0.1965



24.7407, 0.1813, 0.1651



9.6999, 0.1728, 0.0963



14.9995, 0.2981, 0.3162



9.5694, 0.1746, 0.1485



0.8919, 0.1822, 0.1759



# Previews

## White Background



This preview shows how the Yxy color 37.8265, 0.4781, 0.4200 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 37.8265, 0.4781, 0.4200 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 37.8265, 0.4781, 0.4200**

## Background



This preview shows how black text looks on a background with the Yxy color 37.8265, 0.4781, 0.4200.



This preview shows how white text looks on a background with the Yxy color 37.8265, 0.4781, 0.4200.

# 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

37.8265, 0.4781, 0.4200

### Protanopia

37.9569, 0.4171, 0.4580

### Deuteranopia

38.0046, 0.4512, 0.4434



## Tritanopia

37.7910, 0.4031, 0.3178

# Trichromacy



**Original Color**

37.8265, 0.4781, 0.4200

**Protanomaly**

37.4234, 0.4398, 0.4437

**Deuteranomaly**

37.7028, 0.4613, 0.4345

**Tritanomaly**

37.4300, 0.4361, 0.3591

# Monochromacy



**Original Color**

37.8265, 0.4781, 0.4200

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

35.5465, 0.3735, 0.3736

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.8265, 0.4781, 0.4200 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(227, 148, 59)` looks like.

```
.text, #text, p{  
    color:rgb(227, 148, 59)  
}
```

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(227, 148, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 148, 59) }
```

## Border

The CSS property to change the border of an element to Yxy 37.8265, 0.4781, 0.4200 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(227, 148, 59) }
```

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

```
.border{ border-color:rgb(227, 148, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 148, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 148, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 148, 59);  
box-shadow:4px 4px 4px 4px rgb(227, 148,  
59) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.8265, 0.4781, 0.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 148, 59) }
```

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

```
.background{ background-color: rgb(227,  
148, 59) }
```

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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