

# Converting Colors

Yxy(42.3649, 0.4886, 0.4440)

Have a look what the booklet for  
Yxy(42.3649, 0.4886, 0.4440)  
contains.

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# Color

**Yxy(42.5126, 0.4887, 0.4440)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB9F15
RGB	235, 159, 21
RGB Percent	92%, 62%, 8%
CMY	0.0785, 0.3764, 0.9180
CMYK	0.00, 0.32, 0.91, 0.08
HSL	39°, 84%, 50%
HSV	39°, 91%, 92%
XYZ	46.7926, 42.5126, 6.4439
YIQ	165.9920, 89.5940, -26.8060

# Conversions

## Conversions Part 2

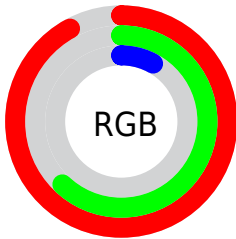
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 235, 21
Decimal	15441685
CIELab	71.22, 18.84, 72.44
CIELCh	71, 74.855, 75.419
Yxy	42.5126, 0.4887, 0.4440
Android (android.graphics.Color)	4293631765 (0xFFEB9F15)
YUV	165.9920, -71.4811, 60.5200
Hunter-Lab	65.2017, 13.9992, 39.7815

# Details

The Yxy color **42.5126, 0.4887, 0.4440** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **14.6851, 0.1707, 0.1281**, and the grayscale version is **38.4454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.0090, 0.4304, 0.4502**, and **19.6094, 0.5044, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **39.9851, 0.5006, 0.4407**, and if you desaturate by 10%, it is **45.6122, 0.4724, 0.4433**.

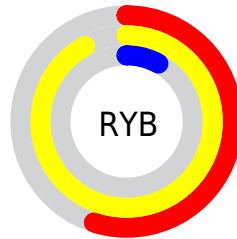
# Distribution



Red (92%)

Green (62%)

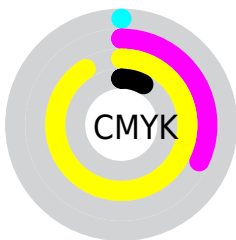
Blue (8%)



Red (55%)

Yellow (92%)

Blue (8%)

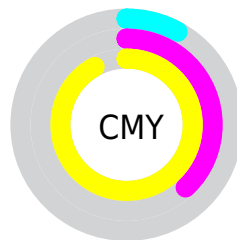


Cyan (0%)

Magenta (32%)

Yellow (91%)

Black (8%)



Cyan (8%)

Magenta (38%)


Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.5126, 0.4887, 0.4440 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 42.5126, 0.4887, 0.4440 by changing the saturation by 10% instead.




 42.5126, 0.4887,  
0.4440


 42.5126, 0.4887,  
0.4440

356.6035, 0.4080,  
0.3990


 29.5029, 0.5041,  
0.4496


 78.9748, 0.4626,  
0.4317


 19.4616, 0.5206,  
0.4534


 103.1961, 0.4517,  
0.4258


 12.0043, 0.5424,  
0.4576

 131.9234, 0.4422,  
0.4204

 6.7466, 0.5535,  
0.4465

 165.5411, 0.4337,  
0.4153

 3.3041, 0.5701,  
0.4299

 204.4336, 0.4262,  
0.4107

 1.2925, 0.5977,  
0.4023

 248.9852, 0.4194,

 0.1354, 0.8130,

0.4064

0.1870

299.5803, 0.4134,  
0.4026

■ 0.0000, 0.0000,  
0.0000

■ 42.5126, 0.4887,  
0.4440

■ 42.5126, 0.4887,  
0.4440

■ 39.9851, 0.5006,  
0.4407

■ 45.6122, 0.4724,  
0.4433

■ 49.0070, 0.4532,  
0.4375

■ 52.7175, 0.4321,  
0.4273

■ 56.7595, 0.4101,  
0.4136

■ 61.1470, 0.3884,  
0.3978

■ 65.8930, 0.3676,  
0.3809

■ 71.0095, 0.3482,  
0.3637

■ 76.5075, 0.3304,  
0.3469

■ 82.3978, 0.3144,  
0.3307

# Harmonies

## Analogous

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



42.5126, 0.5212, 0.3704



42.5126, 0.4887, 0.4440



42.5126, 0.4118, 0.5100

# Triad

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



42.5126, 0.4887, 0.4440



42.5126, 0.1627, 0.3244



42.5126, 0.2780, 0.1965

# Complementary

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



42.5126, 0.4887, 0.4440



14.6851, 0.1707, 0.1281

# 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.



42.5126, 0.1968, 0.1774



42.5126, 0.4887, 0.4440



42.5126, 0.1404, 0.2320

# Square

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



42.5126, 0.4887, 0.4440



42.5126, 0.2244, 0.4487



42.5126, 0.1521, 0.1867



42.5126, 0.3873, 0.2401



# Rectangle

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



42.5126, 0.4887, 0.4440



42.5126, 0.3488, 0.5301



42.5126, 0.1521, 0.1867



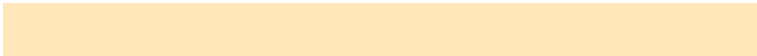
42.5126, 0.2469, 0.1872

# Sweetspot

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



42.5148, 0.4887, 0.4440



81.7195, 0.3597, 0.3741



19.1027, 0.5290, 0.2746



17.0483, 0.3665, 0.3800



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.



42.5148, 0.4887, 0.4440



47.9887, 0.5011, 0.4404



72.6536, 0.3962, 0.5194



16.6752, 0.3277, 0.3442



22.5040, 0.4990, 0.4420



1.9473, 0.4851, 0.4530



# Inverse Universe

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



14.6851, 0.1707, 0.1281



14.6177, 0.1640, 0.1102



7.1949, 0.1609, 0.0700



15.4237, 0.2980, 0.3134



7.0342, 0.1650, 0.1138



0.7281, 0.1727, 0.1415



# Previews

## White Background



This preview shows how the Yxy color 42.5126, 0.4887, 0.4440 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 42.5126, 0.4887, 0.4440 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 42.5126, 0.4887, 0.4440**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.5126, 0.4887, 0.4440.



This preview shows how white text looks on a background with the Yxy color 42.5126, 0.4887, 0.4440.

# 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

42.5126, 0.4887, 0.4440

### Protanopia

42.6048, 0.4364, 0.4824

### Deuteranopia

42.6711, 0.4706, 0.4614



## Tritanopia

42.5603, 0.3983, 0.3171

# Trichromacy



## Original Color

42.5126, 0.4887, 0.4440

## Protanomaly

42.2908, 0.4561, 0.4680

## Deuteranomaly

42.3976, 0.4778, 0.4548

## Tritanomaly

41.9113, 0.4449, 0.3761

# Monochromacy



## Original Color

42.5126, 0.4887, 0.4440

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

38.4630, 0.3869, 0.3961

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.5126, 0.4887, 0.4440 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(235, 159, 21)` looks like.

```
.text, #text, p{  
    color:rgb(235, 159, 21)  
}
```

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(235, 159, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 159, 21) }
```

## Border

The CSS property to change the border of an element to Yxy 42.5126, 0.4887, 0.4440 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(235, 159, 21) }
```

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

```
.border{ border-color:rgb(235, 159, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 159, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 159, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 159, 21);  
box-shadow:4px 4px 4px 4px rgb(235, 159,  
21) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.5126, 0.4887, 0.4440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 159, 21) }
```

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

```
.background{ background-color: rgb(235,  
159, 21) }
```

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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