

Converting Colors

$Y_{xy}(39.7293, 0.4937, 0.4462)$

Have a look what the booklet for
Yxy(39.7293, 0.4937, 0.4462)
contains.

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Color

Yxy(39.7692, 0.4929, 0.4468)

Conversions

Conversions Part 1

Format	Color
Hex	E59A00
RGB	229, 154, 0
RGB Percent	90%, 60%, 0%
CMY	0.1019, 0.3961, 0.9995
CMYK	0.00, 0.33, 1.00, 0.10
HSL	40°, 100%, 45%
HSV	40°, 100%, 90%
XYZ	43.8725, 39.7692, 5.3672
YIQ	158.8690, 94.1340, -31.9940

Conversions

Conversions Part 2

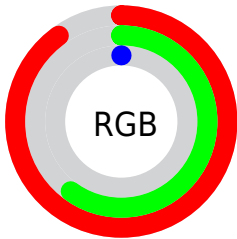
Format	Color
R _Y B	112, 229, 0
Decimal	15047168
CIE Lab	69.30, 18.72, 73.75
CIE LCh	69, 76.085, 75.755
Yxy	39.7692, 0.4929, 0.4468
Android (android.graphics.Color)	4293237248 (0xFFE59A00)
YUV	158.8690, -78.3224, 61.5049
Hunter-Lab	63.0628, 13.8217, 39.0978

Details

The Yxy color **39.7692, 0.4929, 0.4468** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **10.7105, 0.1623, 0.1043**, and the grayscale version is **34.9488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8936, 0.4389, 0.4510**, and **17.9160, 0.5062, 0.4363** is the 20% darker color. If you saturate the color by 10%, you get **39.7569, 0.4930, 0.4468**, and if you desaturate by 10%, it is **42.3886, 0.4804, 0.4495**.

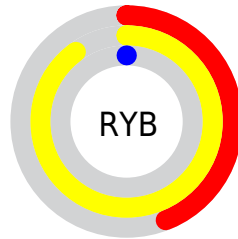
Distribution



Red (90%)

Green (60%)

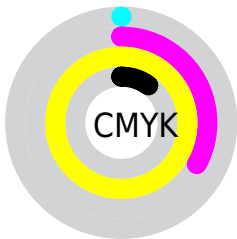
Blue (0%)



Red (44%)

Yellow (90%)

Blue (0%)

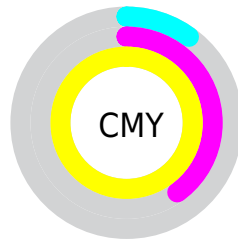


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (10%)



Cyan (10%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7692, 0.4929, 0.4468 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 39.7692, 0.4929, 0.4468 by changing the saturation by 10% instead.


 39.7692, 0.4929,
0.4468


 39.7692, 0.4929,
0.4468

345.1498, 0.4102,
0.4011

 27.3586, 0.5083,
0.4520


 74.8119, 0.4663,
0.4346

 17.8428, 0.5248,
0.4551


 98.2129, 0.4552,
0.4286


 10.8372, 0.5439,
0.4561


 126.0461, 0.4454,
0.4230

 5.9574, 0.5557,
0.4443

 158.6960, 0.4366,
0.4178

 2.8192, 0.5738,
0.4262

 196.5469, 0.4289,
0.4131

 1.0381, 0.6045,
0.3955


 239.9832, 0.4220,


 0.0000, 1.0000,


0.4087


0.0000


 289.3894, 0.4158,
0.4047

 0.0000, 0.0000,
0.0000


 39.7692, 0.4929,
0.4468


 39.7692, 0.4929,
0.4468


 39.7569, 0.4930,
0.4468

 42.3886, 0.4804,
0.4495

 45.2366, 0.4650,
0.4476

 48.3411, 0.4468,
0.4406

 51.7182, 0.4266,
0.4294

 55.3816, 0.4056,
0.4150

■ 59.3438, 0.3847,
0.3984

■ 63.6161, 0.3646,
0.3808

■ 68.2089, 0.3457,
0.3630

■ 73.1321, 0.3284,
0.3456

Harmonies

Analogous

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



39.7692, 0.5284, 0.3709



39.7692, 0.4929, 0.4468



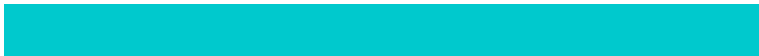
39.7692, 0.4126, 0.5163

Triad

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



39.7692, 0.4929, 0.4468



39.7692, 0.1573, 0.3222



39.7692, 0.2776, 0.1929

Complementary

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



39.7692, 0.4929, 0.4468



10.7105, 0.1623, 0.1043

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.



39.7692, 0.1938, 0.1730



39.7692, 0.4929, 0.4468



39.7692, 0.1354, 0.2273

Square

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



39.7692, 0.4929, 0.4468



39.7692, 0.2198, 0.4526



39.7692, 0.1478, 0.1819



39.7692, 0.3912, 0.2378

Rectangle

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



39.7692, 0.4929, 0.4468



39.7692, 0.3475, 0.5381



39.7692, 0.1478, 0.1819



39.7692, 0.2454, 0.1833

Sweetspot

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



39.7712, 0.4929, 0.4468



81.0479, 0.3650, 0.3812



17.1907, 0.5674, 0.2899



16.8430, 0.3735, 0.3888



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.



39.7712, 0.4929, 0.4468



50.5470, 0.4935, 0.4464



67.1052, 0.3898, 0.5287



15.9792, 0.3276, 0.3447



22.9567, 0.4915, 0.4479



1.8642, 0.4784, 0.4584

Inverse Universe

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



10.7105, 0.1623, 0.1043



13.4947, 0.1620, 0.1032



6.0781, 0.1565, 0.0636



14.6548, 0.2981, 0.3127



6.3114, 0.1630, 0.1069



0.6311, 0.1712, 0.1361

Previews

White Background



This preview shows how the Yxy color 39.7692, 0.4929, 0.4468 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 39.7692, 0.4929, 0.4468 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 39.7692, 0.4929, 0.4468

Background



This preview shows how black text looks on a background with the Yxy color 39.7692, 0.4929, 0.4468.



This preview shows how white text looks on a background with the Yxy color 39.7692, 0.4929, 0.4468.

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

39.7692, 0.4929, 0.4468

Protanopia

39.8603, 0.4381, 0.4858

Deuteranopia

39.9368, 0.4726, 0.4630



Tritanopia

39.8109, 0.3998, 0.3168

Trichromacy



Original Color

39.7692, 0.4929, 0.4468

Protanomaly

39.5520, 0.4587, 0.4711

Deuteranomaly

39.6694, 0.4805, 0.4567

Tritanomaly

39.0729, 0.4535, 0.3832

Monochromacy



Original Color

39.7692, 0.4929, 0.4468

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.2439, 0.3940, 0.4064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7692, 0.4929, 0.4468 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(229, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 154, 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(229, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 154, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.7692, 0.4929, 0.4468 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(229, 154, 0) }
```

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

```
.border{ border-color:rgb(229, 154, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 154, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 154,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7692, 0.4929, 0.4468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 154, 0) }
```

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

```
.background{ background-color: rgb(229,  
154, 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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