

Converting Colors

Yxy(40.0523, 0.4854, 0.4528)

Have a look what the booklet for
Yxy(40.0523, 0.4854, 0.4528)
contains.

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Color

Yxy(39.9612, 0.4851, 0.4530)

Conversions

Conversions Part 1

Format	Color
Hex	E09D00
RGB	224, 157, 0
RGB Percent	88%, 62%, 0%
CMY	0.1217, 0.3843, 0.9996
CMYK	0.00, 0.30, 1.00, 0.12
HSL	42°, 100%, 44%
HSV	42°, 100%, 88%
XYZ	42.7929, 39.9612, 5.4605
YIQ	159.1350, 90.3290, -34.6230

Conversions

Conversions Part 2

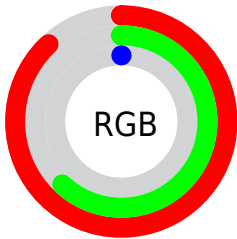
Format	Color
RYB	96, 224, 0
Decimal	14720256
CIELab	69.44, 14.94, 73.56
CIELCh	69, 75.060, 78.523
Yxy	39.9612, 0.4851, 0.4530
Android (android.graphics.Color)	4292910336 (0xFFE09D00)
YUV	159.1350, -78.4536, 56.8866
Hunter-Lab	63.2149, 10.2084, 39.1290

Details

The Yxy color **39.9612, 0.4851, 0.4530** 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 **9.4037, 0.1605, 0.0976**, and the grayscale version is **35.0778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3703, 0.4367, 0.4535**, and **18.0946, 0.4968, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **39.9523, 0.4851, 0.4530**, and if you desaturate by 10%, it is **42.3527, 0.4738, 0.4549**.

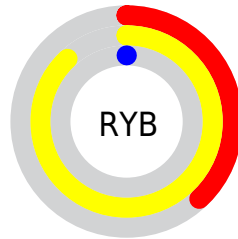
Distribution



Red (88%)

Green (62%)

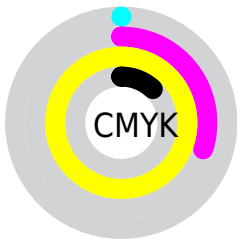
Blue (0%)



Red (38%)

Yellow (88%)

Blue (0%)

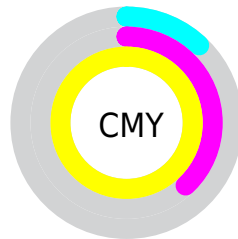


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9612, 0.4851, 0.4530 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 39.9612, 0.4851, 0.4530 by changing the saturation by 10% instead.


 39.9612, 0.4851,
0.4530


 39.9612, 0.4851,
0.4530


345.9600, 0.4064,
0.4032

 27.5083, 0.4996,
0.4594


 75.1044, 0.4599,
0.4392


 17.9553, 0.5149,
0.4640


 98.5635, 0.4493,
0.4326


 10.9179, 0.5327,
0.4673


 126.4602, 0.4400,
0.4266

 6.0117, 0.5423,
0.4577

 159.1787, 0.4317,
0.4210

 2.8522, 0.5570,
0.4430

 197.1036, 0.4243,
0.4159


 1.0551, 0.5823,
0.4177

 240.6192, 0.4177,


 0.0000, 1.0000,

0.4113


0.0000


 290.1098, 0.4117,
0.4071

 0.0000, 0.0000,
0.0000

 39.9612, 0.4851,
0.4530


 39.9612, 0.4851,
0.4530


 39.9523, 0.4851,
0.4530

 42.3527, 0.4738,
0.4549

 44.9375, 0.4596,
0.4524

 47.7418, 0.4426,
0.4449

 50.7802, 0.4237,
0.4331

 54.0650, 0.4036,
0.4182

■ 57.6075, 0.3835,
0.4010

■ 61.4179, 0.3639,
0.3828

■ 65.5054, 0.3454,
0.3644

■ 69.8788, 0.3283,
0.3463

Harmonies

Analogous

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



39.9612, 0.5250, 0.3778



39.9612, 0.4851, 0.4530



39.9612, 0.4033, 0.5187

Triad

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



39.9612, 0.4851, 0.4530



39.9612, 0.1556, 0.3118



39.9612, 0.2877, 0.1976

Complementary

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



39.9612, 0.4851, 0.4530



9.4037, 0.1605, 0.0976

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.



39.9612, 0.2013, 0.1755



39.9612, 0.4851, 0.4530



39.9612, 0.1371, 0.2228

Square

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



39.9612, 0.4851, 0.4530



39.9612, 0.2139, 0.4391



39.9612, 0.1524, 0.1815



39.9612, 0.4007, 0.2441

Rectangle

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



39.9612, 0.4851, 0.4530



39.9612, 0.3384, 0.5350



39.9612, 0.1524, 0.1815



39.9612, 0.2548, 0.1873

Sweetspot

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



39.9632, 0.4851, 0.4530



82.2743, 0.3644, 0.3833



16.2545, 0.5792, 0.2965



17.1366, 0.3726, 0.3911



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.



39.9632, 0.4851, 0.4530



53.3910, 0.4857, 0.4525



62.9075, 0.3839, 0.5333



15.3011, 0.3275, 0.3454



23.4702, 0.4839, 0.4540



1.7810, 0.4716, 0.4638

Inverse Universe

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



9.4037, 0.1605, 0.0976



12.4265, 0.1601, 0.0963



5.9381, 0.1590, 0.0650



13.9083, 0.2981, 0.3121



5.6450, 0.1612, 0.1001



0.5446, 0.1697, 0.1308

Previews

White Background



This preview shows how the Yxy color 39.9612, 0.4851, 0.4530 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 39.9612, 0.4851, 0.4530 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 39.9612, 0.4851, 0.4530

Background



This preview shows how black text looks on a background with the Yxy color 39.9612, 0.4851, 0.4530.



This preview shows how white text looks on a background with the Yxy color 39.9612, 0.4851, 0.4530.

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

39.9612, 0.4851, 0.4530

Protanopia

39.9876, 0.4392, 0.4853

Deuteranopia

39.9368, 0.4726, 0.4630



Tritanopia

39.9810, 0.3904, 0.3165

Trichromacy



Original Color

39.9612, 0.4851, 0.4530

Protanomaly

39.7674, 0.4568, 0.4729

Deuteranomaly

40.0470, 0.4764, 0.4599

Tritanomaly

39.2268, 0.4446, 0.3858

Monochromacy



Original Color

39.9612, 0.4851, 0.4530

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.4606, 0.3923, 0.4079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9612, 0.4851, 0.4530 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, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 157, 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(224, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 157, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.9612, 0.4851, 0.4530 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, 157, 0) }
```

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

```
.border{ border-color:rgb(224, 157, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 157, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 157,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9612, 0.4851, 0.4530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 157, 0) }
```

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

```
.background{ background-color: rgb(224,  
157, 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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