

Converting Colors

$Yxy(39.6532, 0.4904, 0.4488)$

Have a look what the booklet for
Yxy(39.6532, 0.4904, 0.4488)
contains.

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Color

Yxy(39.7736, 0.4900, 0.4491)

Conversions

Conversions Part 1

Format	Color
Hex	E39B00
RGB	227, 155, 0
RGB Percent	89%, 61%, 0%
CMY	0.1099, 0.3921, 0.9995
CMYK	0.00, 0.32, 1.00, 0.11
HSL	41°, 100%, 45%
HSV	41°, 100%, 89%
XYZ	43.3958, 39.7736, 5.3935
YIQ	158.8580, 92.6670, -32.9410

Conversions

Conversions Part 2

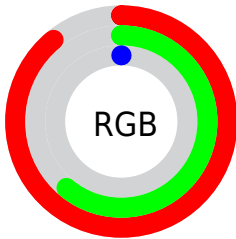
Format	Color
RYB	105, 227, 0
Decimal	14916352
CIELab	69.31, 17.30, 73.63
CIElCh	69, 75.637, 76.775
Yxy	39.7736, 0.4900, 0.4491
Android (android.graphics.Color)	4293106432 (0xFFE39B00)
YUV	158.8580, -78.3170, 59.7605
Hunter-Lab	63.0663, 12.4595, 39.0759

Details

The Yxy color **39.7736, 0.4900, 0.4491** 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 **10.1940, 0.1616, 0.1018**, and the grayscale version is **34.9443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3827, 0.4382, 0.4518**, and **18.0076, 0.5034, 0.4385** is the 20% darker color. If you saturate the color by 10%, you get **39.7606, 0.4901, 0.4491**, and if you desaturate by 10%, it is **42.3056, 0.4780, 0.4515**.

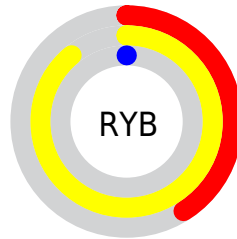
Distribution



Red (89%)

Green (61%)

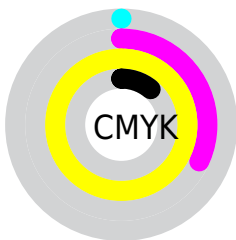
Blue (0%)



Red (41%)

Yellow (89%)

Blue (0%)

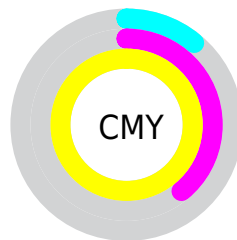


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (11%)



Cyan (11%)

Magenta (39%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7736, 0.4900, 0.4491 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 39.7736, 0.4900, 0.4491 by changing the saturation by 10% instead.

 39.7736, 0.4900,
0.4491


 39.7736, 0.4900,
0.4491


345.1684, 0.4088,
0.4019


 27.3621, 0.5051,
0.4547


 74.8186, 0.4639,
0.4363


 17.8453, 0.5211,
0.4584


 98.2209, 0.4530,
0.4301

 10.8390, 0.5398,
0.4602


 126.0556, 0.4433,
0.4243

 5.9587, 0.5508,
0.4492

 158.7070, 0.4348,
0.4190

 2.8200, 0.5677,
0.4323

 196.5596, 0.4271,
0.4141


 1.0385, 0.5965,
0.4035

 239.9978, 0.4203,

 0.0000, 1.0000,

0.4097

0.0000


 289.4059, 0.4143,
0.4056


 0.0000, 0.0000,
0.0000


 39.7736, 0.4900,
0.4491


 39.7736, 0.4900,
0.4491


 39.7606, 0.4901,
0.4491

 42.3056, 0.4780,
0.4515

 45.0525, 0.4630,
0.4494

 48.0413, 0.4452,
0.4422

 51.2874, 0.4255,
0.4308

 54.8041, 0.4049,
0.4161

■ 58.6034, 0.3842,
0.3994

■ 62.6960, 0.3643,
0.3816

■ 67.0921, 0.3456,
0.3635

■ 71.8009, 0.3283,
0.3458

Harmonies

Analogous

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



39.7736, 0.5271, 0.3735



39.7736, 0.4900, 0.4491



39.7736, 0.4091, 0.5172

Triad

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



39.7736, 0.4900, 0.4491



39.7736, 0.1567, 0.3183



39.7736, 0.2813, 0.1947

Complementary

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



39.7736, 0.4900, 0.4491



10.1940, 0.1616, 0.1018

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.



39.7736, 0.1966, 0.1739



39.7736, 0.4900, 0.4491



39.7736, 0.1360, 0.2257

Square

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



39.7736, 0.4900, 0.4491



39.7736, 0.2176, 0.4476



39.7736, 0.1495, 0.1818



39.7736, 0.3947, 0.2402

Rectangle

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



39.7736, 0.4900, 0.4491



39.7736, 0.3441, 0.5370



39.7736, 0.1495, 0.1818



39.7736, 0.2489, 0.1848

Sweetspot

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



39.7756, 0.4900, 0.4491



81.4956, 0.3648, 0.3820



16.8489, 0.5672, 0.2899



16.9501, 0.3732, 0.3896



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.



39.7756, 0.4900, 0.4491



51.5716, 0.4906, 0.4486



65.7681, 0.3898, 0.5287



16.0055, 0.3275, 0.3450



23.4118, 0.4887, 0.4501



1.8953, 0.4761, 0.4602

Inverse Universe

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



10.1940, 0.1616, 0.1018



13.0897, 0.1613, 0.1006



5.9590, 0.1565, 0.0636



14.6297, 0.2981, 0.3125



6.1241, 0.1623, 0.1043



0.6149, 0.1704, 0.1334

Previews

White Background



This preview shows how the Yxy color 39.7736, 0.4900, 0.4491 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 39.7736, 0.4900, 0.4491 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 39.7736, 0.4900, 0.4491

Background



This preview shows how black text looks on a background with the Yxy color 39.7736, 0.4900, 0.4491.



This preview shows how white text looks on a background with the Yxy color 39.7736, 0.4900, 0.4491.

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

39.7736, 0.4900, 0.4491

Protanopia

39.8603, 0.4381, 0.4858

Deuteranopia

39.9368, 0.4726, 0.4630



Tritanopia

39.8055, 0.3964, 0.3167

Trichromacy



Original Color

39.7736, 0.4900, 0.4491

Protanomaly

39.7696, 0.4566, 0.4728

Deuteranomaly

39.8563, 0.4785, 0.4583

Tritanomaly

39.0696, 0.4499, 0.3838

Monochromacy



Original Color

39.7736, 0.4900, 0.4491

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.5837, 0.3934, 0.4076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7736, 0.4900, 0.4491 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, 155, 0)` looks like.

```
.text, #text, p{  
    color:rgb(227, 155, 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(227, 155, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 155, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.7736, 0.4900, 0.4491 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, 155, 0) }
```

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

```
.border{ border-color:rgb(227, 155, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 155, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 155, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 155, 0);  
box-shadow:4px 4px 4px 4px rgb(227, 155,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7736, 0.4900, 0.4491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 155, 0) }
```

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

```
.background{ background-color: rgb(227,  
155, 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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