

Converting Colors

$Y_{xy}(39.7305, 0.5119, 0.4317)$

Have a look what the booklet for
Yxy(39.7305, 0.5119, 0.4317)
contains.

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Color

Yxy(39.7447, 0.5115, 0.4321)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | F29300 |
| RGB | 242, 147, 0 |
| RGB Percent | 95%, 58%, 0% |
| CMY | 0.0510, 0.4235, 1.0000 |
| CMYK | 0.00, 0.39, 1.00, 0.05 |
| HSL | 36°, 100%, 47% |
| HSV | 36°, 100%, 95% |
| XYZ | 47.0479, 39.7447, 5.1877 |
| YIQ | 158.6470, 103.8070, -25.5770 |

Conversions

Conversions Part 2

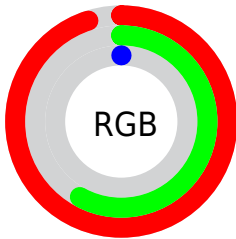
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 156, 242, 0 |
| Decimal | 15897344 |
| CIE _{Lab} | 69.29, 27.90, 74.54 |
| CIE _{LCh} | 69, 79.594, 69.477 |
| Yxy | 39.7447, 0.5115, 0.4321 |
| Android (android.graphics.Color) | 4294087424 (0xFFFF29300) |
| YUV | 158.6470, -78.2130, 73.1006 |
| Hunter-Lab | 63.0434, 22.8848, 39.2515 |

Details

The Yxy color **39.7447, 0.5115, 0.4321** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **14.5893, 0.1670, 0.1211**, and the grayscale version is **34.8317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5413, 0.4448, 0.4458**, and **17.9494, 0.5298, 0.4176** is the 20% darker color. If you saturate the color by 10%, you get **39.7471, 0.5115, 0.4321**, and if you desaturate by 10%, it is **42.8909, 0.4963, 0.4366**.

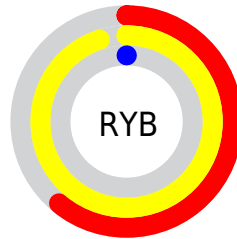
Distribution



Red (95%)

Green (58%)

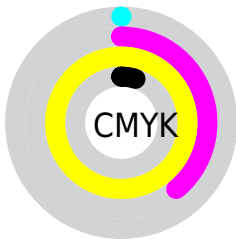
Blue (0%)



Red (61%)

Yellow (95%)

Blue (0%)

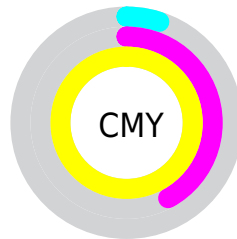


Cyan (0%)

Magenta (39%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7447, 0.5115, 0.4321 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 39.7447, 0.5115, 0.4321 by changing the saturation by 10% instead.


 39.7447, 0.5115,
0.4321


 39.7447, 0.5115,
0.4321


345.0463, 0.4196,
0.3960

 27.3395, 0.5290,
0.4345


 74.7746, 0.4818,
0.4238

 17.8284, 0.5480,
0.4342


 98.1681, 0.4694,
0.4192


 10.8269, 0.5699,
0.4301


 125.9932, 0.4585,
0.4147

 5.9505, 0.5866,
0.4134

 158.6343, 0.4488,
0.4104

 2.8150, 0.6117,
0.3883

 196.4758, 0.4402,
0.4064


 1.0359, 0.6532,
0.3468


 239.9020, 0.4326,

 0.0000, 1.0000,

0.4027


0.0000


 289.2974, 0.4258,
0.3992

 0.0000, 0.0000,
0.0000


 39.7447, 0.5115,
0.4321

 39.7447, 0.5115,
0.4321


 39.7471, 0.5115,
0.4321

 42.8909, 0.4963,
0.4366

 46.3675, 0.4780,
0.4363

 50.2082, 0.4567,
0.4308

 54.4337, 0.4338,
0.4208

 59.0622, 0.4105,
0.4077

■ 64.1101, 0.3877,
0.3925

■ 69.5923, 0.3663,
0.3763

■ 75.5229, 0.3465,
0.3600

■ 81.9151, 0.3287,
0.3441

Harmonies

Analogous

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



39.7447, 0.5362, 0.3548



39.7447, 0.5115, 0.4321



39.7447, 0.4343, 0.5095

Triad

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



39.7447, 0.5115, 0.4321



39.7447, 0.1611, 0.3486



39.7447, 0.2543, 0.1817

Complementary

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



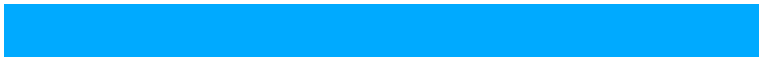
39.7447, 0.5115, 0.4321



14.5893, 0.1670, 0.1211

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.



39.7447, 0.1764, 0.1671



39.7447, 0.5115, 0.4321



39.7447, 0.1310, 0.2385

Square

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



39.7447, 0.5115, 0.4321



39.7447, 0.2337, 0.4853



39.7447, 0.1370, 0.1826



39.7447, 0.3685, 0.2228

Rectangle

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



39.7447, 0.5115, 0.4321



39.7447, 0.3686, 0.5438



39.7447, 0.1370, 0.1826



39.7447, 0.2238, 0.1738

Sweetspot

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



39.7471, 0.5115, 0.4321



78.3321, 0.3665, 0.3765



19.7342, 0.5420, 0.2759



16.1949, 0.3753, 0.3834



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.



39.7471, 0.5115, 0.4321



44.6764, 0.5118, 0.4318



78.3693, 0.4016, 0.5193



17.3570, 0.3278, 0.3433



21.6288, 0.5095, 0.4336



1.9924, 0.4945, 0.4456

Inverse Universe

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



14.5893, 0.1670, 0.1211



16.3495, 0.1669, 0.1206



6.6067, 0.1527, 0.0615



16.2464, 0.2980, 0.3143



8.0860, 0.1678, 0.1242



0.8610, 0.1751, 0.1502

Previews

White Background



This preview shows how the Yxy color 39.7447, 0.5115, 0.4321 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 39.7447, 0.5115, 0.4321 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 39.7447, 0.5115, 0.4321

Background



This preview shows how black text looks on a background with the Yxy color 39.7447, 0.5115, 0.4321.



This preview shows how white text looks on a background with the Yxy color 39.7447, 0.5115, 0.4321.

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

39.7447, 0.5115, 0.4321

Protanopia

39.8695, 0.4375, 0.4850

Deuteranopia

39.7859, 0.4717, 0.4637



Tritanopia

39.9544, 0.4220, 0.3186

Trichromacy



Original Color

39.7447, 0.5115, 0.4321

Protanomaly

39.5665, 0.4654, 0.4655

Deuteranomaly

39.6242, 0.4863, 0.4520

Tritanomaly

39.4507, 0.4737, 0.3772

Monochromacy



Original Color

39.7447, 0.5115, 0.4321

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.2011, 0.4006, 0.4022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7447, 0.5115, 0.4321 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(242, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 147, 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(242, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 147, 0) }
```

Border

The CSS property to change the border of an element to Yxy 39.7447, 0.5115, 0.4321 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(242, 147, 0) }
```

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

```
.border{ border-color:rgb(242, 147, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 147, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 147,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7447, 0.5115, 0.4321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 147, 0) }
```

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

```
.background{ background-color: rgb(242,  
147, 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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