

Converting Colors

$Y_{xy}(41.2451, 0.5101, 0.4332)$

Have a look what the booklet for
Yxy(41.2451, 0.5101, 0.4332)
contains.

Yxy(41.2252, 0.5102, 0.4331)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.2252, 0.5102, 0.4331)

Conversions

Conversions Part 1

Format	Color
Hex	F59600
RGB	245, 150, 0
RGB Percent	96%, 59%, 0%
CMY	0.0392, 0.4117, 1.0000
CMYK	0.00, 0.39, 1.00, 0.04
HSL	37°, 100%, 48%
HSV	37°, 100%, 96%
XYZ	48.5641, 41.2252, 5.3971
YIQ	161.3050, 104.7700, -26.5100

Conversions

Conversions Part 2

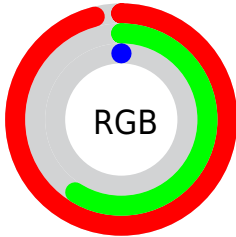
Format	Color
RYB	155, 245, 0
Decimal	16094720
CIELab	70.33, 27.60, 75.38
CIELCh	70, 80.277, 69.891
Yxy	41.2252, 0.5102, 0.4331
Android (android.graphics.Color)	4294284800 (0xFFFF59600)
YUV	161.3050, -79.5234, 73.4005
Hunter-Lab	64.2069, 22.6499, 39.9610

Details

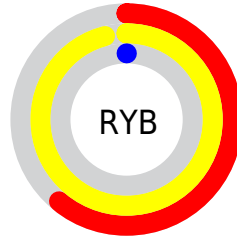
The Yxy color **41.2252, 0.5102, 0.4331** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **14.7776, 0.1666, 0.1196**, and the grayscale version is **36.1326, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9675, 0.4420, 0.4477**, and **18.8688, 0.5277, 0.4192** is the 20% darker color. If you saturate the color by 10%, you get **41.2274, 0.5102, 0.4331**, and if you desaturate by 10%, it is **44.4515, 0.4953, 0.4376**.

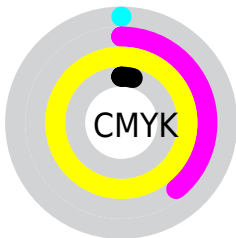
Distribution



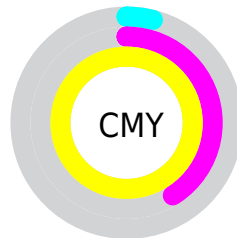
- Red (96%)
- Green (59%)
- Blue (0%)



- Red (61%)
- Yellow (96%)
- Blue (0%)



- Cyan (0%)
- Magenta (39%)
- Yellow (100%)
- Black (4%)





- Cyan (4%)
- Magenta (41%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.2252, 0.5102, 0.4331 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 41.2252, 0.5102, 0.4331 by changing the saturation by 10% instead.


 41.2252, 0.5102,
0.4331

 41.2252, 0.5102,
0.4331


351.2610, 0.4196,
0.3967


 28.4951, 0.5273,
0.4357


 77.0256, 0.4810,
0.4246

 18.6992, 0.5458,
0.4356


 100.8648, 0.4688,
0.4200


 11.4531, 0.5676,
0.4324


 129.1757, 0.4580,
0.4155

 6.3725, 0.5836,
0.4164

 162.3428, 0.4485,
0.4112

 3.0729, 0.6073,
0.3927


 200.7505, 0.4400,
0.4071

 1.1699, 0.6461,
0.3539


 244.7831, 0.4325,


 0.0369, 0.9505,


0.4034


 294.8252, 0.4257,
0.3999


0.0495


 0.0000, 0.0000,
0.0000


 41.2252, 0.5102,
0.4331


 41.2252, 0.5102,
0.4331


 41.2274, 0.5102,
0.4331

 44.4515, 0.4953,
0.4376

 48.0127, 0.4771,
0.4372

 51.9430, 0.4561,
0.4315

 56.2637, 0.4334,
0.4215

 60.9931, 0.4102,
0.4083

■ 66.1481, 0.3876,
0.3930

■ 71.7438, 0.3662,
0.3767

■ 77.7946, 0.3465,
0.3603

■ 84.3139, 0.3287,
0.3443

Harmonies

Analogous

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



41.2252, 0.5356, 0.3559



41.2252, 0.5102, 0.4331



41.2252, 0.4328, 0.5100

Triad

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



41.2252, 0.5102, 0.4331



41.2252, 0.1609, 0.3467



41.2252, 0.2559, 0.1825

Complementary

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



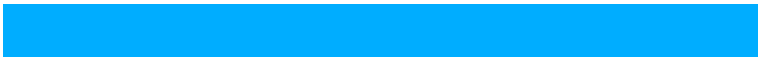
41.2252, 0.5102, 0.4331



14.7776, 0.1666, 0.1196

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.



41.2252, 0.1776, 0.1675



41.2252, 0.5102, 0.4331



41.2252, 0.1313, 0.2377

Square

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



41.2252, 0.5102, 0.4331



41.2252, 0.2328, 0.4830



41.2252, 0.1377, 0.1826



41.2252, 0.3701, 0.2239

Rectangle

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



41.2252, 0.5102, 0.4331



41.2252, 0.3672, 0.5435



41.2252, 0.1377, 0.1826



41.2252, 0.2252, 0.1744

Sweetspot

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



41.2274, 0.5102, 0.4331



78.5273, 0.3664, 0.3768



20.2953, 0.5421, 0.2760



16.2413, 0.3752, 0.3838



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.



41.2274, 0.5102, 0.4331



45.0783, 0.5104, 0.4329



80.6026, 0.4016, 0.5194



18.1716, 0.3278, 0.3435



22.4857, 0.5083, 0.4346



2.1754, 0.4941, 0.4458

Inverse Universe

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



14.7776, 0.1666, 0.1196



16.1204, 0.1665, 0.1193



6.7933, 0.1527, 0.0615



16.9804, 0.2980, 0.3141



8.2096, 0.1674, 0.1226



0.9147, 0.1743, 0.1474

Previews

White Background



This preview shows how the Yxy color 41.2252, 0.5102, 0.4331 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 41.2252, 0.5102, 0.4331 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 41.2252, 0.5102, 0.4331

Background



This preview shows how black text looks on a background with the Yxy color 41.2252, 0.5102, 0.4331.



This preview shows how white text looks on a background with the Yxy color 41.2252, 0.5102, 0.4331.

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

41.2252, 0.5102, 0.4331

Protanopia

41.4001, 0.4373, 0.4854

Deuteranopia

41.4563, 0.4718, 0.4636



Tritanopia

41.1765, 0.4206, 0.3177

Trichromacy



Original Color

41.2252, 0.5102, 0.4331

Protanomaly

41.0806, 0.4648, 0.4662

Deuteranomaly

41.2903, 0.4862, 0.4522

Tritanomaly

40.6109, 0.4738, 0.3776

Monochromacy



Original Color

41.2252, 0.5102, 0.4331

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.2797, 0.4015, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2252, 0.5102, 0.4331 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(245, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 150, 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(245, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 150, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.2252, 0.5102, 0.4331 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(245, 150, 0) }
```

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

```
.border{ border-color:rgb(245, 150, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 150,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2252, 0.5102, 0.4331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 150, 0) }
```

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

```
.background{ background-color: rgb(245,  
150, 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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