

Converting Colors

$Y_{xy}(42.0935, 0.5139, 0.4302)$

Have a look what the booklet for
Yxy(42.0935, 0.5139, 0.4302)
contains.

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Color

Yxy(42.1367, 0.5139, 0.4302)

Conversions

Conversions Part 1

Format	Color
Hex	FA9600
RGB	250, 150, 0
RGB Percent	98%, 59%, 0%
CMY	0.0195, 0.4118, 1.0000
CMYK	0.00, 0.40, 1.00, 0.02
HSL	36°, 100%, 49%
HSV	36°, 100%, 98%
XYZ	50.3348, 42.1367, 5.4752
YIQ	162.8000, 107.7500, -25.4500

Conversions

Conversions Part 2

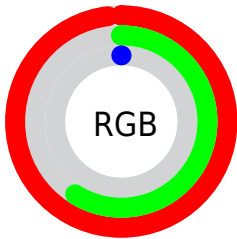
Format	Color
RYB	167, 250, 0
Decimal	16422400
CIELab	70.97, 29.68, 76.12
CIELCh	71, 81.700, 68.700
Yxy	42.1367, 0.5139, 0.4302
Android (android.graphics.Color)	4294612480 (0xFFFA9600)
YUV	162.8000, -80.2604, 76.4744
Hunter-Lab	64.9128, 24.8156, 40.4380

Details

The Yxy color **42.1367, 0.5139, 0.4302** 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 **16.0213, 0.1675, 0.1230**, and the grayscale version is **36.8760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4444, 0.4412, 0.4486**, and **19.4885, 0.5322, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **42.1393, 0.5139, 0.4302**, and if you desaturate by 10%, it is **45.5390, 0.4985, 0.4350**.

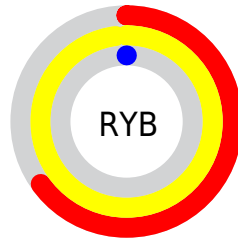
Distribution



Red (98%)

Green (59%)

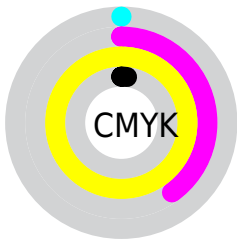
Blue (0%)



Red (65%)

Yellow (98%)

Blue (0%)

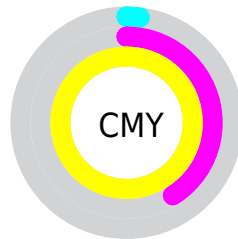


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (41%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1367, 0.5139, 0.4302 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 42.1367, 0.5139, 0.4302 by changing the saturation by 10% instead.


 42.1367, 0.5139,
0.4302


 42.1367, 0.5139,
0.4302


355.0493, 0.4219,
0.3959


 29.2083, 0.5313,
0.4323


 78.4065, 0.4843,
0.4225


 19.2385, 0.5501,
0.4315


 102.5167, 0.4719,
0.4182


 11.8427, 0.5724,
0.4276


 131.1230, 0.4610,
0.4139

 6.6367, 0.5889,
0.4111

 164.6097, 0.4513,
0.4098

 3.2359, 0.6134,
0.3866

 203.3613, 0.4427,
0.4060


 1.2561, 0.6528,
0.3472


 247.7622, 0.4350,


 0.1068, 0.8855,


0.4024


0.1145


 298.1967, 0.4281,
0.3990


 0.0000, 0.0000,
0.0000

 42.1367, 0.5139,
0.4302


 42.1367, 0.5139,
0.4302


 42.1393, 0.5139,
0.4302

 45.5390, 0.4985,
0.4350

 49.3077, 0.4797,
0.4350

 53.4794, 0.4581,
0.4296

 58.0769, 0.4348,
0.4199

 63.1203, 0.4112,
0.4069

■ 68.6276, 0.3882,
0.3919

■ 74.6154, 0.3666,
0.3759

■ 81.0993, 0.3467,
0.3597

■ 88.0937, 0.3287,
0.3440

Harmonies

Analogous

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



42.1367, 0.5371, 0.3528



42.1367, 0.5139, 0.4302



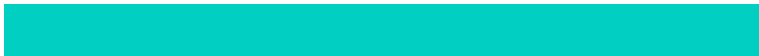
42.1367, 0.4371, 0.5085

Triad

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



42.1367, 0.5139, 0.4302



42.1367, 0.1616, 0.3521



42.1367, 0.2514, 0.1803

Complementary

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



42.1367, 0.5139, 0.4302



16.0213, 0.1675, 0.1230

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.



42.1367, 0.1742, 0.1663



42.1367, 0.5139, 0.4302



42.1367, 0.1304, 0.2400

Square

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



42.1367, 0.5139, 0.4302



42.1367, 0.2355, 0.4895



42.1367, 0.1356, 0.1827



42.1367, 0.3656, 0.2209

Rectangle

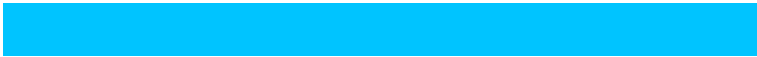
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.1367, 0.5139, 0.4302



42.1367, 0.3713, 0.5443



42.1367, 0.1356, 0.1827



42.1367, 0.2210, 0.1725

Sweetspot

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



42.1393, 0.5139, 0.4302



78.0190, 0.3666, 0.3759



21.3303, 0.5355, 0.2724



16.1203, 0.3756, 0.3827



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.



42.1393, 0.5139, 0.4302



44.0383, 0.5140, 0.4301



85.0702, 0.4045, 0.5170



18.9575, 0.3279, 0.3432



22.6378, 0.5119, 0.4317



2.3040, 0.4978, 0.4429

Inverse Universe

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



16.0213, 0.1675, 0.1230



16.7253, 0.1675, 0.1228



7.0609, 0.1520, 0.0611



17.7826, 0.2979, 0.3144



8.7599, 0.1684, 0.1260



1.0124, 0.1749, 0.1495

Previews

White Background



This preview shows how the Yxy color 42.1367, 0.5139, 0.4302 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 42.1367, 0.5139, 0.4302 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 42.1367, 0.5139, 0.4302

Background



This preview shows how black text looks on a background with the Yxy color 42.1367, 0.5139, 0.4302.



This preview shows how white text looks on a background with the Yxy color 42.1367, 0.5139, 0.4302.

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

42.1367, 0.5139, 0.4302

Protanopia

42.4427, 0.4370, 0.4853

Deuteranopia

42.1259, 0.4724, 0.4631



Tritanopia

42.2182, 0.4239, 0.3189

Trichromacy



Original Color

42.1367, 0.5139, 0.4302

Protanomaly

41.8979, 0.4662, 0.4648

Deuteranomaly

42.1305, 0.4875, 0.4511

Tritanomaly

41.6554, 0.4764, 0.3777

Monochromacy



Original Color

42.1367, 0.5139, 0.4302

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

37.0553, 0.4022, 0.4003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1367, 0.5139, 0.4302 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(250, 150, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 150, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 150, 0) }
```

Border

The CSS property to change the border of an element to Yxy 42.1367, 0.5139, 0.4302 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(250, 150, 0) }
```

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

```
.border{ border-color:rgb(250, 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(250, 150, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 150, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 150, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 150,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1367, 0.5139, 0.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 150, 0) }
```

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

```
.background{ background-color: rgb(250,  
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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