

Converting Colors

$Y_{xy}(42.3605, 0.4979, 0.4342)$

Have a look what the booklet for
Yxy(42.3605, 0.4979, 0.4342)
contains.

Yxy(42.3991, 0.4973, 0.4344)	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(42.3991, 0.4973, 0.4344)

Conversions

Conversions Part 1

Format	Color
Hex	F29B1B
RGB	242, 155, 27
RGB Percent	95%, 61%, 11%
CMY	0.0510, 0.3921, 0.8938
CMYK	0.00, 0.36, 0.89, 0.05
HSL	36°, 89%, 53%
HSV	36°, 89%, 95%
XYZ	48.5384, 42.3991, 6.6663
YIQ	166.4210, 92.9400, -21.3640

Conversions

Conversions Part 2

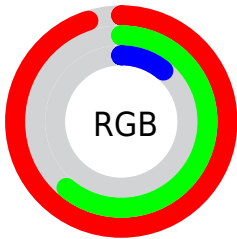
Format	Color
R_{YB}	173, 242, 27
Decimal	15899419
CIE _{Lab}	71.15, 24.03, 71.42
CIE _{LCh}	71, 75.358, 71.405
Yxy	42.3991, 0.4973, 0.4344
Android (android.graphics.Color)	4294089499 (0xFFFF29B1B)
YUV	166.4210, -68.7346, 66.2828
Hunter-Lab	65.1146, 19.1087, 39.5102

Details

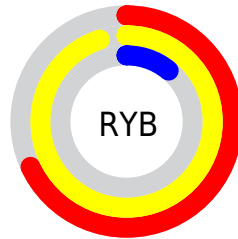
The Yxy color **42.3991, 0.4973, 0.4344** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **18.6946, 0.1763, 0.1465**, and the grayscale version is **38.6588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0578, 0.4317, 0.4448**, and **19.6039, 0.5178, 0.4270** is the 20% darker color. If you saturate the color by 10%, you get **39.1987, 0.5132, 0.4299**, and if you desaturate by 10%, it is **45.9572, 0.4779, 0.4337**.

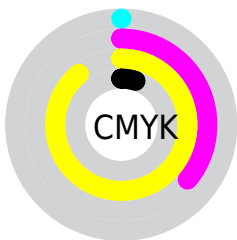
Distribution



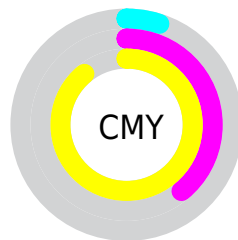
- Red (95%)
- Green (61%)
- Blue (11%)



- Red (68%)
- Yellow (95%)
- Blue (11%)



- Cyan (0%)
- Magenta (36%)
- Yellow (89%)
- Black (5%)





- Cyan (5%)
- Magenta (39%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3991, 0.4973, 0.4344 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 42.3991, 0.4973, 0.4344 by changing the saturation by 10% instead.

 42.3991, 0.4973,
0.4344


 42.3991, 0.4973,
0.4344


356.1347, 0.4118,
0.3948


 29.4139, 0.5140,
0.4386


 78.8033, 0.4693,
0.4241


 19.3942, 0.5322,
0.4408


 102.9911, 0.4578,
0.4190


 11.9554, 0.5569,
0.4431


 131.6819, 0.4477,
0.4141


 6.7133, 0.5706,
0.4294

 165.2601, 0.4388,
0.4096

 3.2835, 0.5911,
0.4089

 204.1101, 0.4308,
0.4054

 1.2815, 0.6247,
0.3753

 248.6162, 0.4238,

 0.1268, 0.8480,

0.4016

0.1520

299.1630, 0.4175,
0.3981

■ 0.0000, 0.0000,
0.0000

■ 42.3991, 0.4973,
0.4344

■ 42.3991, 0.4973,
0.4344

■ 39.1987, 0.5132,
0.4299

■ 45.9572, 0.4779,
0.4337


■ 38.8386, 0.5150,
0.4293

■ 49.8948, 0.4558,
0.4278

■ 54.2349, 0.4323,
0.4177

■ 58.9961, 0.4085,
0.4045

■ 64.1950, 0.3856,
0.3894

 69.8469, 0.3641,
0.3735

 75.9664, 0.3444,
0.3576

 82.5668, 0.3267,
0.3420

 89.6612, 0.3109,
0.3273

Harmonies

Analogous

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



42.3991, 0.5221, 0.3607



42.3991, 0.4973, 0.4344



42.3991, 0.4241, 0.5038

Triad

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



42.3991, 0.4973, 0.4344



42.3991, 0.1677, 0.3403



42.3991, 0.2646, 0.1916

Complementary

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



42.3991, 0.4973, 0.4344



18.6946, 0.1763, 0.1465

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.



42.3991, 0.1880, 0.1760



42.3991, 0.4973, 0.4344



42.3991, 0.1403, 0.2407

Square

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



42.3991, 0.4973, 0.4344



42.3991, 0.2348, 0.4650



42.3991, 0.1477, 0.1895



42.3991, 0.3725, 0.2325

Rectangle

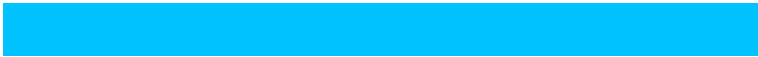
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.3991, 0.4973, 0.4344



42.3991, 0.3618, 0.5302



42.3991, 0.1477, 0.1895



42.3991, 0.2349, 0.1834

Sweetspot

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



42.4013, 0.4973, 0.4344



79.8219, 0.3605, 0.3707



20.9402, 0.5039, 0.2625



16.5995, 0.3676, 0.3762



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.



42.4013, 0.4973, 0.4344



43.6467, 0.5154, 0.4290



79.4465, 0.4040, 0.5118



17.3234, 0.3278, 0.3430



21.1392, 0.5130, 0.4309



1.9533, 0.4973, 0.4433

Inverse Universe

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



18.6946, 0.1763, 0.1465



16.9633, 0.1679, 0.1242



7.7554, 0.1593, 0.0706



16.2791, 0.2980, 0.3146



8.3836, 0.1688, 0.1277



0.8877, 0.1760, 0.1537

Previews

White Background



This preview shows how the Yxy color 42.3991, 0.4973, 0.4344 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 42.3991, 0.4973, 0.4344 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 42.3991, 0.4973, 0.4344

Background



This preview shows how black text looks on a background with the Yxy color 42.3991, 0.4973, 0.4344.



This preview shows how white text looks on a background with the Yxy color 42.3991, 0.4973, 0.4344.

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

42.3991, 0.4973, 0.4344

Protanopia

42.6401, 0.4345, 0.4796

Deuteranopia

42.6851, 0.4698, 0.4604



Tritanopia

42.2695, 0.4100, 0.3174

Trichromacy



Original Color

42.3991, 0.4973, 0.4344

Protanomaly

42.2503, 0.4572, 0.4633

Deuteranomaly

42.5528, 0.4803, 0.4505

Tritanomaly

41.8553, 0.4551, 0.3713

Monochromacy



Original Color

42.3991, 0.4973, 0.4344

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.5478, 0.3886, 0.3915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3991, 0.4973, 0.4344 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, 155, 27)` looks like.

```
.text, #text, p{  
    color:rgb(242, 155, 27)  
}
```

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, 155, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 155, 27) }
```

Border

The CSS property to change the border of an element to Yxy 42.3991, 0.4973, 0.4344 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, 155, 27) }
```

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

```
.border{ border-color:rgb(242, 155, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 155, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 155, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 155, 27);  
box-shadow:4px 4px 4px 4px rgb(242, 155,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3991, 0.4973, 0.4344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 155, 27) }
```

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

```
.background{ background-color: rgb(242,  
155, 27) }
```

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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