

Converting Colors

Yxy(41.8612, 0.5099, 0.4309)

Have a look what the booklet for
Yxy(41.8612, 0.5099, 0.4309)
contains.

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Color

Yxy(41.9293, 0.5091, 0.4315)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | F7970A |
| RGB | 247, 151, 10 |
| RGB Percent | 97%, 59%, 4% |
| CMY | 0.0315, 0.4077, 0.9609 |
| CMYK | 0.00, 0.39, 0.96, 0.03 |
| HSL | 36°, 94%, 50% |
| HSV | 36°, 96%, 97% |
| XYZ | 49.4698, 41.9293, 5.7720 |
| YIQ | 163.6300, 102.4770, -23.4990 |

Conversions

Conversions Part 2

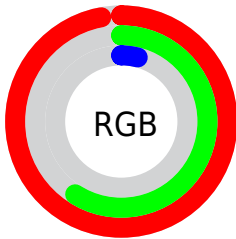
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 171, 247, 10 |
| Decimal | 16226058 |
| CIE Lab | 70.82, 27.96, 74.56 |
| CIE LCh | 71, 79.633, 69.443 |
| Yxy | 41.9293, 0.5091, 0.4315 |
| Android (android.graphics.Color) | 4294416138 (0xFFFF7970A) |
| YUV | 163.6300, -75.7396, 73.1155 |
| Hunter-Lab | 64.7528, 23.0527, 40.0420 |

Details

The Yxy color **41.9293, 0.5091, 0.4315** 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 **17.0679, 0.1707, 0.1321**, and the grayscale version is **37.2705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9818, 0.4386, 0.4469**, and **19.3047, 0.5280, 0.4190** is the 20% darker color. If you saturate the color by 10%, you get **40.6314, 0.5152, 0.4291**, and if you desaturate by 10%, it is **45.3855, 0.4923, 0.4347**.

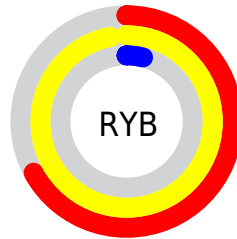
Distribution



Red (97%)

Green (59%)

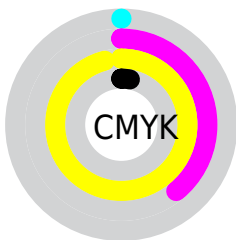
Blue (4%)



Red (67%)

Yellow (97%)

Blue (4%)

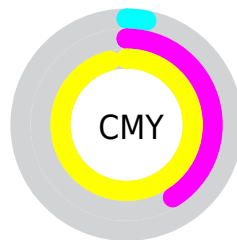


Cyan (0%)

Magenta (39%)

Yellow (96%)

Black (3%)



Cyan (3%)


Magenta (41%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9293, 0.5091, 0.4315 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 41.9293, 0.5091, 0.4315 by changing the saturation by 10% instead.


 41.9293, 0.5091,
0.4315


 41.9293, 0.5091,
0.4315


354.1898, 0.4188,
0.3955

 29.0459, 0.5263,
0.4342


 78.0926, 0.4799,
0.4230


 19.1156, 0.5450,
0.4343


 102.1414, 0.4677,
0.4184


 11.7538, 0.5680,
0.4320


 130.6807, 0.4570,
0.4140

 6.5763, 0.5838,
0.4162

 164.0950, 0.4475,
0.4098

 3.1986, 0.6073,
0.3927

 202.7686, 0.4391,
0.4058

 1.2363, 0.6454,
0.3546

 247.0861, 0.4316,

 0.0910, 0.8942,

0.4021

0.1058

297.4316, 0.4249,
0.3987

■ 0.0000, 0.0000,
0.0000

■ 41.9293, 0.5091,
0.4315

■ 41.9293, 0.5091,
0.4315

■ 40.6314, 0.5152,
0.4291

■ 45.3855, 0.4923,
0.4347

■ 49.2215, 0.4720,
0.4326

■ 53.4646, 0.4493,
0.4254

■ 58.1359, 0.4256,
0.4143

■ 63.2541, 0.4020,
0.4004

68.8364, 0.3794,
0.3850

74.8987, 0.3583,
0.3690

81.4557, 0.3392,
0.3531

88.5215, 0.3220,
0.3378

Harmonies

Analogous

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



41.9293, 0.5327, 0.3551



41.9293, 0.5091, 0.4315



41.9293, 0.4334, 0.5073

Triad

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



41.9293, 0.5091, 0.4315



41.9293, 0.1634, 0.3486



41.9293, 0.2552, 0.1836

Complementary

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



41.9293, 0.5091, 0.4315



17.0679, 0.1707, 0.1321

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.



41.9293, 0.1782, 0.1691



41.9293, 0.5091, 0.4315



41.9293, 0.1333, 0.2402

Square

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



41.9293, 0.5091, 0.4315



41.9293, 0.2354, 0.4823



41.9293, 0.1391, 0.1847



41.9293, 0.3676, 0.2242

Rectangle

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



41.9293, 0.5091, 0.4315



41.9293, 0.3687, 0.5403



41.9293, 0.1391, 0.1847



41.9293, 0.2250, 0.1757

Sweetspot

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



41.9315, 0.5091, 0.4315



78.4831, 0.3646, 0.3740



21.0823, 0.5244, 0.2683



16.2034, 0.3736, 0.3808



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.



41.9315, 0.5091, 0.4315



43.6423, 0.5154, 0.4290



82.8871, 0.4046, 0.5155



18.1226, 0.3279, 0.3431



21.7817, 0.5131, 0.4308



2.1158, 0.4982, 0.4426

Inverse Universe

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



17.0679, 0.1707, 0.1321



16.9661, 0.1679, 0.1242



7.2017, 0.1541, 0.0637



17.0281, 0.2980, 0.3145



8.6323, 0.1688, 0.1276



0.9549, 0.1756, 0.1522

Previews

White Background



This preview shows how the Yxy color 41.9293, 0.5091, 0.4315 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 41.9293, 0.5091, 0.4315 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 41.9293, 0.5091, 0.4315

Background



This preview shows how black text looks on a background with the Yxy color 41.9293, 0.5091, 0.4315.



This preview shows how white text looks on a background with the Yxy color 41.9293, 0.5091, 0.4315.

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

41.9293, 0.5091, 0.4315

Protanopia

42.0620, 0.4376, 0.4839

Deuteranopia

42.1259, 0.4724, 0.4631



Tritanopia

41.8732, 0.4209, 0.3177

Trichromacy



Original Color

41.9293, 0.5091, 0.4315

Protanomaly

41.7600, 0.4645, 0.4645

Deuteranomaly

41.9734, 0.4861, 0.4512

Tritanomaly

41.3758, 0.4701, 0.3737

Monochromacy



Original Color

41.9293, 0.5091, 0.4315

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.3483, 0.3968, 0.3968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9293, 0.5091, 0.4315 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(247, 151, 10)` looks like.

```
.text, #text, p{  
    color:rgb(247, 151, 10)  
}
```

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(247, 151, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 151, 10) }
```

Border

The CSS property to change the border of an element to Yxy 41.9293, 0.5091, 0.4315 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(247, 151, 10) }
```

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

```
.border{ border-color:rgb(247, 151, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 151, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 151, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 151, 10);  
box-shadow:4px 4px 4px 4px rgb(247, 151,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9293, 0.5091, 0.4315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 151, 10) }
```

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

```
.background{ background-color: rgb(247,  
151, 10) }
```

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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