

Converting Colors

$Y_{xy}(41.8120, 0.5025, 0.4392)$

Have a look what the booklet for
Yxy(41.8120, 0.5025, 0.4392)
contains.

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Color

Yxy(41.8120, 0.5025, 0.4392)

Conversions

Conversions Part 1

Format	Color
Hex	F19A00
RGB	241, 154, 0
RGB Percent	95%, 60%, 0%
CMY	0.0548, 0.3961, 0.9998
CMYK	0.00, 0.36, 1.00, 0.05
HSL	38°, 100%, 47%
HSV	38°, 100%, 95%
XYZ	47.8382, 41.8120, 5.5502
YIQ	162.4570, 101.2860, -29.4500

Conversions

Conversions Part 2

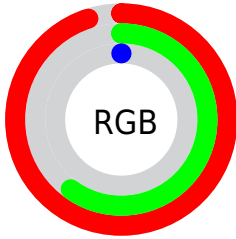
Format	Color
R_{YB}	136, 241, 0
Decimal	15833600
CIE _{Lab}	70.74, 23.84, 75.40
CIE _{LCh}	71, 79.077, 72.453
Yxy	41.8120, 0.5025, 0.4392
Android (android.graphics.Color)	4294023680 (0xFFFF19A00)
YUV	162.4570, -80.0913, 68.8822
Hunter-Lab	64.6622, 18.8985, 40.1745

Details

The Yxy color **41.8120, 0.5025, 0.4392** 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 **13.1824, 0.1646, 0.1124**, and the grayscale version is **36.7091, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9076, 0.4385, 0.4504**, and **19.1655, 0.5175, 0.4273** is the 20% darker color. If you saturate the color by 10%, you get **41.8082, 0.5025, 0.4392**, and if you desaturate by 10%, it is **44.8590, 0.4887, 0.4429**.

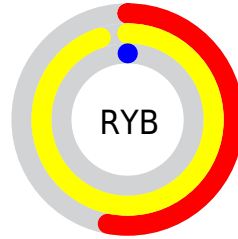
Distribution



Red (95%)

Green (60%)

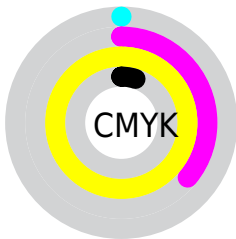
Blue (0%)



Red (53%)

Yellow (95%)

Blue (0%)

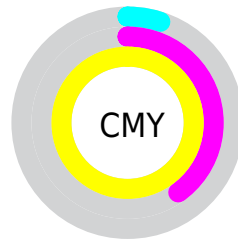


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8120, 0.5025, 0.4392 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 41.8120, 0.5025, 0.4392 by changing the saturation by 10% instead.


 41.8120, 0.5025,
0.4392


 41.8120, 0.5025,
0.4392


353.7030, 0.4159,
0.3989

 28.9541, 0.5187,
0.4429


 77.9150, 0.4747,
0.4292


 19.0461, 0.5361,
0.4442


 101.9289, 0.4631,
0.4240


 11.7036, 0.5568,
0.4432


 130.4303, 0.4528,
0.4191

 6.5422, 0.5707,
0.4293

 163.8036, 0.4436,
0.4144

 3.1775, 0.5914,
0.4086

 202.4331, 0.4355,
0.4101

 1.2251, 0.6256,
0.3744

 246.7032, 0.4282,


 0.0820, 0.8894,


0.4060


0.1106

 296.9984, 0.4218,
0.4023


 0.0000, 0.0000,
0.0000


 41.8120, 0.5025,
0.4392


 41.8120, 0.5025,
0.4392


 41.8082, 0.5025,
0.4392

 44.8590, 0.4887,
0.4429

 48.1990, 0.4718,
0.4419

 51.8639, 0.4520,
0.4357

 55.8731, 0.4305,
0.4251

 60.2432, 0.4083,
0.4113

■ 64.9894, 0.3864,
0.3955

■ 70.1255, 0.3655,
0.3786

■ 75.6642, 0.3462,
0.3615

■ 81.6176, 0.3286,
0.3449

Harmonies

Analogous

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



41.8120, 0.5324, 0.3626



41.8120, 0.5025, 0.4392



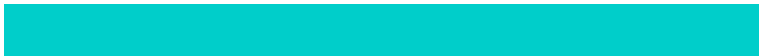
41.8120, 0.4238, 0.5130

Triad

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



41.8120, 0.5025, 0.4392



41.8120, 0.1593, 0.3355



41.8120, 0.2655, 0.1871

Complementary

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



41.8120, 0.5025, 0.4392



13.1824, 0.1646, 0.1124

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.



41.8120, 0.1847, 0.1700



41.8120, 0.5025, 0.4392



41.8120, 0.1331, 0.2330

Square

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



41.8120, 0.5025, 0.4392



41.8120, 0.2270, 0.4694



41.8120, 0.1422, 0.1823



41.8120, 0.3795, 0.2301

Rectangle

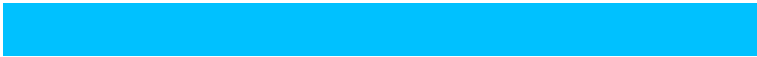
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.8120, 0.5025, 0.4392



41.8120, 0.3585, 0.5414



41.8120, 0.1422, 0.1823



41.8120, 0.2341, 0.1784

Sweetspot

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



41.8142, 0.5025, 0.4392



79.6356, 0.3658, 0.3788



19.4177, 0.5553, 0.2833



16.5056, 0.3744, 0.3860



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.



41.8142, 0.5025, 0.4392



47.4196, 0.5028, 0.4390



76.4661, 0.3956, 0.5241



17.4429, 0.3277, 0.3441



22.9311, 0.5008, 0.4406



2.0956, 0.4873, 0.4513

Inverse Universe

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



13.1824, 0.1646, 0.1124



14.8913, 0.1644, 0.1119



6.6634, 0.1543, 0.0624



16.1632, 0.2980, 0.3135



7.3768, 0.1654, 0.1154



0.7961, 0.1727, 0.1416

Previews

White Background



This preview shows how the Yxy color 41.8120, 0.5025, 0.4392 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 41.8120, 0.5025, 0.4392 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 41.8120, 0.5025, 0.4392

Background



This preview shows how black text looks on a background with the Yxy color 41.8120, 0.5025, 0.4392.



This preview shows how white text looks on a background with the Yxy color 41.8120, 0.5025, 0.4392.

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

41.8120, 0.5025, 0.4392

Protanopia

42.0483, 0.4383, 0.4850

Deuteranopia

41.9703, 0.4715, 0.4638



Tritanopia

41.7522, 0.4106, 0.3174

Trichromacy



Original Color

41.8120, 0.5025, 0.4392

Protanomaly

41.6586, 0.4616, 0.4687

Deuteranomaly

41.8206, 0.4830, 0.4547

Tritanomaly

41.1618, 0.4644, 0.3801

Monochromacy



Original Color

41.8120, 0.5025, 0.4392

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.8519, 0.3983, 0.4040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8120, 0.5025, 0.4392 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(241, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 154, 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(241, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 154, 0) }
```

Border

The CSS property to change the border of an element to Yxy 41.8120, 0.5025, 0.4392 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(241, 154, 0) }
```

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

```
.border{ border-color:rgb(241, 154, 0) }
```

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

Here you see how a box with a 4 pixel rgb(241, 154, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 154,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8120, 0.5025, 0.4392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 154, 0) }
```

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

```
.background{ background-color: rgb(241,  
154, 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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