

Converting Colors

$Y_{xy}(40.8699, 0.5237, 0.4188)$

Have a look what the booklet for
Yxy(40.8699, 0.5237, 0.4188)
contains.

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Color

Yxy(40.9366, 0.5235, 0.4190)

Conversions

Conversions Part 1

Format	Color
Hex	FF8F0E
RGB	255, 143, 14
RGB Percent	100%, 56%, 5%
CMY	0.0000, 0.4392, 0.9454
CMYK	0.00, 0.44, 0.95, 0.00
HSL	32°, 100%, 53%
HSV	32°, 95%, 100%
XYZ	51.1463, 40.9366, 5.6178
YIQ	161.7820, 108.1610, -16.3750

Conversions

Conversions Part 2

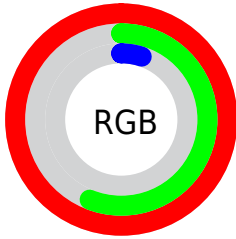
Format	Color
R_{YB}	223, 255, 14
Decimal	16748302
CIE _{Lab}	70.13, 35.43, 74.05
CIE _{LCh}	70, 82.088, 64.428
Yxy	40.9366, 0.5235, 0.4190
Android (android.graphics.Color)	4294938382 (0xFFFF8F0E)
YUV	161.7820, -72.8565, 81.7522
Hunter-Lab	63.9817, 30.7231, 39.5814

Details

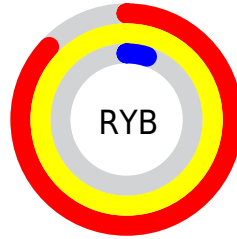
The Yxy color **40.9366, 0.5235, 0.4190** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **22.2123, 0.1766, 0.1527**, and the grayscale version is **36.3272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2274, 0.4447, 0.4401**, and **18.5585, 0.5480, 0.4031** is the 20% darker color. If you saturate the color by 10%, you get **39.0192, 0.5330, 0.4150**, and if you desaturate by 10%, it is **44.7998, 0.5034, 0.4230**.

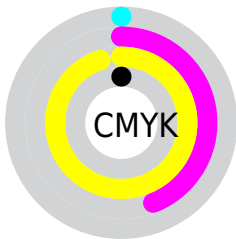
Distribution



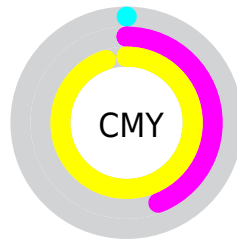
- Red (100%)
- Green (56%)
- Blue (5%)



- Red (87%)
- Yellow (100%)
- Blue (5%)



- Cyan (0%)
- Magenta (44%)
- Yellow (95%)
- Black (0%)




- Cyan (0%)
- Magenta (44%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9366, 0.5235, 0.4190 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 40.9366, 0.5235, 0.4190 by changing the saturation by 10% instead.


 40.9366, 0.5235,
0.4190

 40.9366, 0.5235,
0.4190

350.0556, 0.4256,
0.3905

 28.2695, 0.5425,
0.4196


 76.5876, 0.4915,
0.4135


 18.5289, 0.5634,
0.4171


 100.3404, 0.4784,
0.4099


 11.3304, 0.5888,
0.4112


 128.5572, 0.4668,
0.4063

 6.2895, 0.6085,
0.3915

 161.6225, 0.4565,
0.4028

 3.0219, 0.6374,
0.3626

 199.9205, 0.4474,
0.3995

 1.1432, 0.6835,
0.3165

 243.8358, 0.4393,

 0.0146, 0.9837,

0.3963

0.0163

293.7527, 0.4321,
0.3933

0.0000, 0.0000,
0.0000

40.9366, 0.5235,
0.4190

40.9366, 0.5235,
0.4190

39.0192, 0.5330,
0.4150

44.7998, 0.5034,
0.4230

49.1645, 0.4797,
0.4215

54.0599, 0.4539,
0.4150

59.5119, 0.4276,
0.4047

65.5442, 0.4021,
0.3919

72.1784, 0.3782,
0.3777

79.4347, 0.3565,
0.3631

87.3321, 0.3370,
0.3488

95.8886, 0.3198,
0.3350

Harmonies

Analogous

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



40.9366, 0.5372, 0.3419



40.9366, 0.5235, 0.4190



40.9366, 0.4511, 0.4997

Triad

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



40.9366, 0.5235, 0.4190



40.9366, 0.1677, 0.3725



40.9366, 0.2369, 0.1750

Complementary

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



40.9366, 0.5235, 0.4190



22.2123, 0.1766, 0.1527

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.



40.9366, 0.1649, 0.1649



40.9366, 0.5235, 0.4190



40.9366, 0.1305, 0.2512

Square

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



40.9366, 0.5235, 0.4190



40.9366, 0.2478, 0.5081



40.9366, 0.1310, 0.1863



40.9366, 0.3483, 0.2124

Rectangle

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



40.9366, 0.5235, 0.4190



40.9366, 0.3861, 0.5416



40.9366, 0.1310, 0.1863



40.9366, 0.2082, 0.1685

Sweetspot

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



40.9354, 0.5235, 0.4190



76.8560, 0.3637, 0.3682



23.0889, 0.5008, 0.2559



15.7837, 0.3732, 0.3745



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.



40.9354, 0.5235, 0.4190



39.0192, 0.5330, 0.4150



91.3190, 0.4130, 0.5084



19.5979, 0.3281, 0.3417



20.6905, 0.5307, 0.4168



2.2333, 0.5145, 0.4297

Inverse Universe

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



22.2123, 0.1766, 0.1527



20.2868, 0.1730, 0.1428



7.7016, 0.1527, 0.0635



18.7688, 0.2979, 0.3159



10.8923, 0.1738, 0.1457



1.2766, 0.1798, 0.1672

Previews

White Background



This preview shows how the Yxy color 40.9366, 0.5235, 0.4190 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 40.9366, 0.5235, 0.4190 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 40.9366, 0.5235, 0.4190

Background



This preview shows how black text looks on a background with the Yxy color 40.9366, 0.5235, 0.4190.



This preview shows how white text looks on a background with the Yxy color 40.9366, 0.5235, 0.4190.

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

40.9366, 0.5235, 0.4190

Protanopia

41.0446, 0.4368, 0.4823

Deuteranopia

40.9461, 0.4721, 0.4634



Tritanopia

40.9127, 0.4314, 0.3200

Trichromacy



Original Color

40.9366, 0.5235, 0.4190

Protanomaly

40.1428, 0.4702, 0.4581

Deuteranomaly

40.7768, 0.4915, 0.4466

Tritanomaly

40.5883, 0.4803, 0.3704

Monochromacy



Original Color

40.9366, 0.5235, 0.4190

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

36.2612, 0.4013, 0.3912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9366, 0.5235, 0.4190 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(255, 143, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 143, 14)  
}
```

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(255, 143, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 143, 14) }
```

Border

The CSS property to change the border of an element to Yxy 40.9366, 0.5235, 0.4190 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(255, 143, 14) }
```

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

```
.border{ border-color:rgb(255, 143, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 143, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 143, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 143, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 143,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9366, 0.5235, 0.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 143, 14) }
```

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

```
.background{ background-color: rgb(255,  
143, 14) }
```

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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