

Converting Colors

Yxy(38.4824, 0.5047, 0.4358)

Have a look what the booklet for
Yxy(38.4824, 0.5047, 0.4358)
contains.

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Color

Yxy(38.3730, 0.5045, 0.4360)

Conversions

Conversions Part 1	
Format	Color
Hex	EA9306
RGB	234, 147, 6
RGB Percent	92%, 58%, 2%
CMY	0.0823, 0.4235, 0.9767
CMYK	0.00, 0.37, 0.97, 0.08
HSL	37°, 95%, 47%
HSV	37°, 97%, 92%
XYZ	44.4018, 38.3730, 5.2367
YIQ	156.9390, 97.1130, -25.4070

Conversions

Conversions Part 2

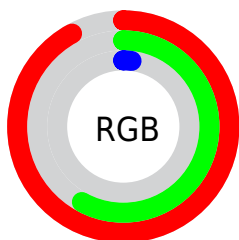
Format	Color
RYB	147, 234, 6
Decimal	15373062
CIELab	68.29, 24.62, 72.60
CIELCh	68, 76.665, 71.265
Yxy	38.3730, 0.5045, 0.4360
Android (android.graphics.Color)	4293563142 (0xFFEA9306)
YUV	156.9390, -74.4129, 67.5825
Hunter-Lab	61.9459, 19.5403, 38.3500

Details

The Yxy color **38.3730, 0.5045, 0.4360** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark washed orange. A complement of this color would be **13.8005, 0.1680, 0.1230**, and the grayscale version is **33.9948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5691, 0.4439, 0.4446**, and **17.1364, 0.5231, 0.4229** is the 20% darker color. If you saturate the color by 10%, you get **37.6642, 0.5081, 0.4347**, and if you desaturate by 10%, it is **41.3378, 0.4892, 0.4392**.

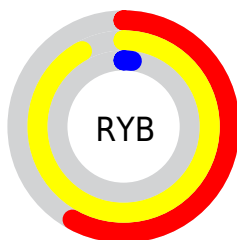
Distribution



Red (92%)

Green (58%)

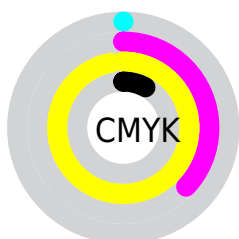
Blue (2%)



Red (58%)

Yellow (92%)

Blue (2%)

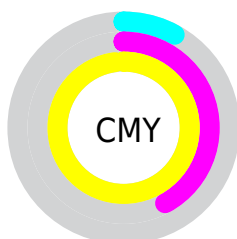


Cyan (0%)

Magenta (37%)

Yellow (97%)

Black (8%)



Cyan (8%)


Magenta (42%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3730, 0.5045, 0.4360 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 38.3730, 0.5045, 0.4360 by changing the saturation by 10% instead.


 38.3730, 0.5045,
0.4360

 38.3730, 0.5045,
0.4360


 339.2173, 0.4152,
0.3965

 26.2723, 0.5216,
0.4395


 72.6795, 0.4754,
0.4262


 17.0275, 0.5403,
0.4404

 95.6541, 0.4633,
0.4211

 10.2541, 0.5620,
0.4380


 123.0221, 0.4527,
0.4162

 5.5677, 0.5776,
0.4224

 155.1679, 0.4434,
0.4117

 2.5841, 0.6014,
0.3986

 192.4760, 0.4351,
0.4074


 0.9187, 0.6417,
0.3583


 235.3306, 0.4277,


 0.0000, 1.0000,


0.4035

0.0000

 284.1163, 0.4211,
0.3998

 0.0000, 0.0000,
0.0000

 38.3730, 0.5045,
0.4360


 38.3730, 0.5045,
0.4360


 37.6642, 0.5081,
0.4347


 41.3378, 0.4892,
0.4392


 44.6076, 0.4705,
0.4372


 48.2072, 0.4492,
0.4302


 52.1543, 0.4266,
0.4191

 56.4649, 0.4037,
0.4051

 61.1532, 0.3816,
0.3893

 66.2325, 0.3608,
0.3729

 71.7151, 0.3417,
0.3564

 77.6126, 0.3244,
0.3404

Harmonies

Analogous

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



38.3730, 0.5317, 0.3597



38.3730, 0.5045, 0.4360



38.3730, 0.4274, 0.5102

Triad

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



38.3730, 0.5045, 0.4360



38.3730, 0.1615, 0.3407



38.3730, 0.2616, 0.1862

Complementary

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



38.3730, 0.5045, 0.4360



13.8005, 0.1680, 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.



38.3730, 0.1826, 0.1702



38.3730, 0.5045, 0.4360



38.3730, 0.1338, 0.2363

Square

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



38.3730, 0.5045, 0.4360



38.3730, 0.2307, 0.4737



38.3730, 0.1415, 0.1838



38.3730, 0.3746, 0.2282

Rectangle

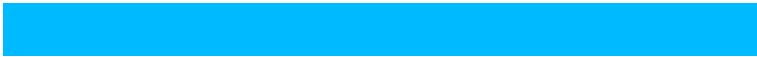
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



38.3730, 0.5045, 0.4360



38.3730, 0.3625, 0.5401



38.3730, 0.1415, 0.1838



38.3730, 0.2308, 0.1778

Sweetspot

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



38.3750, 0.5045, 0.4360



79.4196, 0.3642, 0.3756



18.4207, 0.5411, 0.2769



16.4277, 0.3730, 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.



38.3750, 0.5045, 0.4360



45.6155, 0.5086, 0.4343



72.1911, 0.3988, 0.5205



16.6056, 0.3277, 0.3435



21.4127, 0.5064, 0.4362



1.8662, 0.4911, 0.4483

Inverse Universe

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



13.8005, 0.1680, 0.1230



15.8228, 0.1660, 0.1175



6.3862, 0.1550, 0.0637



15.4909, 0.2980, 0.3140



7.6037, 0.1670, 0.1212



0.7778, 0.1747, 0.1488

Previews

White Background



This preview shows how the Yxy color 38.3730, 0.5045, 0.4360 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 38.3730, 0.5045, 0.4360 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 38.3730, 0.5045, 0.4360

Background



This preview shows how black text looks on a background with the Yxy color 38.3730, 0.5045, 0.4360.



This preview shows how white text looks on a background with the Yxy color 38.3730, 0.5045, 0.4360.

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

38.3730, 0.5045, 0.4360

Protanopia

38.3725, 0.4378, 0.4846

Deuteranopia

38.3026, 0.4725, 0.4630



Tritanopia

38.5232, 0.4142, 0.3182

Trichromacy



Original Color

38.3730, 0.5045, 0.4360

Protanomaly

38.1525, 0.4626, 0.4666

Deuteranomaly

38.1757, 0.4841, 0.4532

Tritanomaly

38.0714, 0.4647, 0.3773

Monochromacy



Original Color

38.3730, 0.5045, 0.4360

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.0561, 0.3966, 0.3996

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3730, 0.5045, 0.4360 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(234, 147, 6)` looks like.

```
.text, #text, p{  
    color:rgb(234, 147, 6)  
}
```

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(234, 147, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 147, 6) }
```

Border

The CSS property to change the border of an element to Yxy 38.3730, 0.5045, 0.4360 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(234, 147, 6) }
```

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

```
.border{ border-color:rgb(234, 147, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 147, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 147, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 147, 6);  
box-shadow:4px 4px 4px 4px rgb(234, 147,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3730, 0.5045, 0.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 147, 6) }
```

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

```
.background{ background-color: rgb(234,  
147, 6) }
```

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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