

Converting Colors

$Y_{xy}(38.6933, 0.5049, 0.4373)$

Have a look what the booklet for
Yxy(38.6933, 0.5049, 0.4373)
contains.

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Color

Yxy(38.8420, 0.5049, 0.4373)

Conversions

Conversions Part 1

Format	Color
Hex	EB9400
RGB	235, 148, 0
RGB Percent	92%, 58%, 0%
CMY	0.0785, 0.4195, 0.9999
CMYK	0.00, 0.37, 1.00, 0.08
HSL	38°, 100%, 46%
HSV	38°, 100%, 92%
XYZ	44.8464, 38.8420, 5.1339
YIQ	157.1410, 99.3600, -27.5840

Conversions

Conversions Part 2

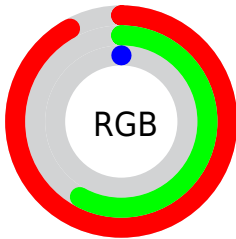
Format	Color
RYB	138, 235, 0
Decimal	15438848
CIELab	68.64, 24.44, 73.67
CIELCh	69, 77.620, 71.647
Yxy	38.8420, 0.5049, 0.4373
Android (android.graphics.Color)	4293628928 (0xFFEB9400)
YUV	157.1410, -77.4705, 68.2823
Hunter-Lab	62.3234, 19.3785, 38.7423

Details

The Yxy color **38.8420, 0.5049, 0.4373** 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 **12.8117, 0.1653, 0.1151**, and the grayscale version is **34.1089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0091, 0.4440, 0.4467**, and **17.4336, 0.5224, 0.4234** is the 20% darker color. If you saturate the color by 10%, you get **38.8411, 0.5049, 0.4373**, and if you desaturate by 10%, it is **41.7402, 0.4907, 0.4412**.

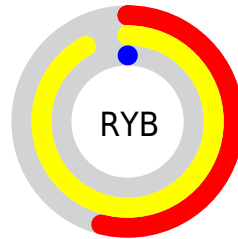
Distribution



Red (92%)

Green (58%)

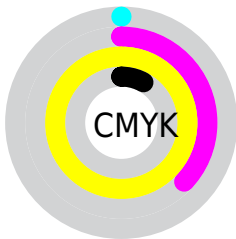
Blue (0%)



Red (54%)

Yellow (92%)

Blue (0%)

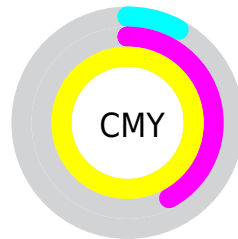


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (42%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.8420, 0.5049, 0.4373 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 38.8420, 0.5049, 0.4373 by changing the saturation by 10% instead.


 38.8420, 0.5049,
0.4373


 38.8420, 0.5049,
0.4373

341.2183, 0.4159,
0.3976


 26.6368, 0.5218,
0.4407


 73.3969, 0.4761,
0.4275


 17.3007, 0.5402,
0.4416


 96.5154, 0.4641,
0.4224


 10.4491, 0.5611,
0.4389


 124.0405, 0.4535,
0.4175

 5.6977, 0.5764,
0.4236

 156.3565, 0.4441,
0.4129

 2.6622, 0.5997,
0.4003

 193.8479, 0.4358,
0.4086

 0.9580, 0.6389,
0.3611

 236.8991, 0.4284,


 0.0000, 1.0000,


0.4046


0.0000

 285.8944, 0.4218,
0.4009


 0.0000, 0.0000,
0.0000

 38.8420, 0.5049,
0.4373


 38.8420, 0.5049,
0.4373


 38.8411, 0.5049,
0.4373

 41.7402, 0.4907,
0.4412

 44.9232, 0.4733,
0.4403

 48.4218, 0.4531,
0.4342

 52.2543, 0.4312,
0.4238

 56.4369, 0.4087,
0.4102

■ 60.9839, 0.3866,
0.3945

■ 65.9085, 0.3657,
0.3779

■ 71.2232, 0.3463,
0.3611

■ 76.9394, 0.3286,
0.3447

Harmonies

Analogous

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



38.8420, 0.5334, 0.3605



38.8420, 0.5049, 0.4373



38.8420, 0.4266, 0.5121

Triad

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



38.8420, 0.5049, 0.4373



38.8420, 0.1598, 0.3390



38.8420, 0.2625, 0.1857

Complementary

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



38.8420, 0.5049, 0.4373



12.8117, 0.1653, 0.1151

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.



38.8420, 0.1825, 0.1692



38.8420, 0.5049, 0.4373



38.8420, 0.1326, 0.2345

Square

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



38.8420, 0.5049, 0.4373



38.8420, 0.2288, 0.4736



38.8420, 0.1408, 0.1824



38.8420, 0.3765, 0.2282

Rectangle

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



38.8420, 0.5049, 0.4373



38.8420, 0.3612, 0.5421



38.8420, 0.1408, 0.1824



38.8420, 0.2313, 0.1772

Sweetspot

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



38.8440, 0.5049, 0.4373



79.2606, 0.3660, 0.3781



18.3991, 0.5483, 0.2794



16.4161, 0.3747, 0.3852



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.



38.8440, 0.5049, 0.4373



46.6162, 0.5054, 0.4369



72.7532, 0.3986, 0.5217



16.6354, 0.3277, 0.3438



21.8731, 0.5032, 0.4387



1.9005, 0.4885, 0.4503

Inverse Universe

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



12.8117, 0.1653, 0.1151



15.2936, 0.1651, 0.1143



6.2366, 0.1535, 0.0620



15.4621, 0.2980, 0.3137



7.3539, 0.1661, 0.1180



0.7561, 0.1738, 0.1456

Previews

White Background



This preview shows how the Yxy color 38.8420, 0.5049, 0.4373 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 38.8420, 0.5049, 0.4373 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 38.8420, 0.5049, 0.4373

Background



This preview shows how black text looks on a background with the Yxy color 38.8420, 0.5049, 0.4373.



This preview shows how white text looks on a background with the Yxy color 38.8420, 0.5049, 0.4373.

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

38.8420, 0.5049, 0.4373

Protanopia

38.8646, 0.4379, 0.4850

Deuteranopia

38.7933, 0.4723, 0.4632



Tritanopia

39.0158, 0.4136, 0.3182

Trichromacy



Original Color

38.8420, 0.5049, 0.4373

Protanomaly

38.6357, 0.4629, 0.4674

Deuteranomaly

38.6583, 0.4841, 0.4538

Tritanomaly

38.5049, 0.4667, 0.3800

Monochromacy



Original Color

38.8420, 0.5049, 0.4373

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.3456, 0.3979, 0.4035

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8420, 0.5049, 0.4373 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(235, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 148, 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(235, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 148, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.8420, 0.5049, 0.4373 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(235, 148, 0) }
```

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

```
.border{ border-color:rgb(235, 148, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 148, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 148,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8420, 0.5049, 0.4373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 148, 0) }
```

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

```
.background{ background-color: rgb(235,  
148, 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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