

Converting Colors

$Y_{xy}(37.7442, 0.5087, 0.4343)$

Have a look what the booklet for
Yxy(37.7442, 0.5087, 0.4343)
contains.

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Color

Yxy(37.9130, 0.5086, 0.4344)

Conversions

Conversions Part 1

Format	Color
Hex	EB9100
RGB	235, 145, 0
RGB Percent	92%, 57%, 0%
CMY	0.0784, 0.4314, 1.0000
CMYK	0.00, 0.38, 1.00, 0.08
HSL	37°, 100%, 46%
HSV	37°, 100%, 92%
XYZ	44.3889, 37.9130, 4.9748
YIQ	155.3800, 100.1850, -26.0150

Conversions

Conversions Part 2

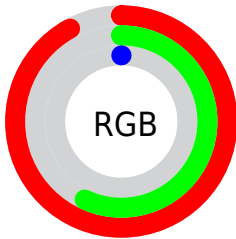
Format	Color
R_{YB}	146, 235, 0
Decimal	15438080
CIE _{Lab}	67.96, 26.04, 73.25
CIE _{LCh}	68, 77.746, 70.428
Yxy	37.9130, 0.5086, 0.4344
Android (android.graphics.Color)	4293628160 (0xFFEB9100)
YUV	155.3800, -76.6023, 69.8267
Hunter-Lab	61.5735, 20.9286, 38.3112

Details

The Yxy color **37.9130, 0.5086, 0.4344** 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 **13.3130, 0.1663, 0.1187**, and the grayscale version is **33.2705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6148, 0.4464, 0.4442**, and **16.8896, 0.5274, 0.4194** is the 20% darker color. If you saturate the color by 10%, you get **37.9152, 0.5086, 0.4344**, and if you desaturate by 10%, it is **40.8399, 0.4938, 0.4386**.

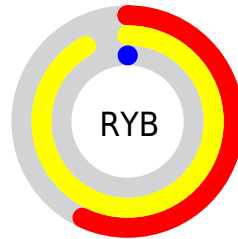
Distribution



Red (92%)

Green (57%)

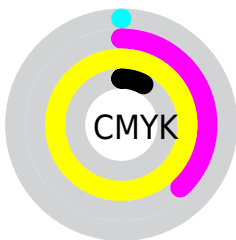
Blue (0%)



Red (57%)

Yellow (92%)

Blue (0%)

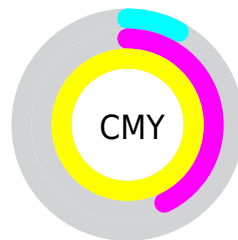


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (8%)



Cyan (8%)


Magenta (43%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9130, 0.5086, 0.4344 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 37.9130, 0.5086, 0.4344 by changing the saturation by 10% instead.


 37.9130, 0.5086,
0.4344


 37.9130, 0.5086,
0.4344


337.2466, 0.4174,
0.3964


 25.9152, 0.5260,
0.4373


 71.9748, 0.4789,
0.4253


 16.7602, 0.5452,
0.4376


 94.8075, 0.4666,
0.4204


 10.0637, 0.5665,
0.4335


 122.0207, 0.4558,
0.4157

 5.4412, 0.5831,
0.4169

 153.9986, 0.4462,
0.4112

 2.5084, 0.6084,
0.3916

 191.1258, 0.4377,
0.4071

 0.8808, 0.6511,
0.3489

 233.7866, 0.4302,


 0.0000, 1.0000,


0.4032


0.0000


 282.3654, 0.4234,
0.3996


 0.0000, 0.0000,
0.0000

 37.9130, 0.5086,
0.4344


 37.9130, 0.5086,
0.4344


 37.9152, 0.5086,
0.4344

 40.8399, 0.4938,
0.4386

 44.0649, 0.4758,
0.4380

 47.6194, 0.4550,
0.4322

 51.5223, 0.4326,
0.4220

 55.7901, 0.4096,
0.4087

■ 60.4378, 0.3872,
0.3933

■ 65.4788, 0.3660,
0.3770

■ 70.9261, 0.3464,
0.3605

■ 76.7916, 0.3286,
0.3444

Harmonies

Analogous

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



37.9130, 0.5350, 0.3573



37.9130, 0.5086, 0.4344



37.9130, 0.4309, 0.5107

Triad

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



37.9130, 0.5086, 0.4344



37.9130, 0.1606, 0.3443



37.9130, 0.2579, 0.1835

Complementary

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



37.9130, 0.5086, 0.4344



13.3130, 0.1663, 0.1187

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.



37.9130, 0.1791, 0.1680



37.9130, 0.5086, 0.4344



37.9130, 0.1317, 0.2367

Square

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



37.9130, 0.5086, 0.4344



37.9130, 0.2315, 0.4801



37.9130, 0.1386, 0.1825



37.9130, 0.3721, 0.2252

Rectangle

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



37.9130, 0.5086, 0.4344



37.9130, 0.3654, 0.5431



37.9130, 0.1386, 0.1825



37.9130, 0.2271, 0.1753

Sweetspot

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



37.9152, 0.5086, 0.4344



78.7242, 0.3662, 0.3772



18.4039, 0.5484, 0.2794



16.2882, 0.3751, 0.3842



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.



37.9152, 0.5086, 0.4344



45.4869, 0.5091, 0.4340



72.7745, 0.3986, 0.5217



16.6017, 0.3277, 0.3435



21.3535, 0.5068, 0.4358



1.8618, 0.4914, 0.4480

Inverse Universe

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



13.3130, 0.1663, 0.1187



15.8931, 0.1661, 0.1179



6.2376, 0.1535, 0.0619



15.4947, 0.2980, 0.3141



7.6369, 0.1671, 0.1216



0.7806, 0.1748, 0.1492

Previews

White Background



This preview shows how the Yxy color 37.9130, 0.5086, 0.4344 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 37.9130, 0.5086, 0.4344 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 37.9130, 0.5086, 0.4344

Background



This preview shows how black text looks on a background with the Yxy color 37.9130, 0.5086, 0.4344.



This preview shows how white text looks on a background with the Yxy color 37.9130, 0.5086, 0.4344.

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

37.9130, 0.5086, 0.4344

Protanopia

38.2427, 0.4370, 0.4856

Deuteranopia

38.1554, 0.4716, 0.4637



Tritanopia

38.0731, 0.4184, 0.3183

Trichromacy



Original Color

37.9130, 0.5086, 0.4344

Protanomaly

37.6578, 0.4633, 0.4670

Deuteranomaly

37.8425, 0.4856, 0.4526

Tritanomaly

37.5887, 0.4711, 0.3787

Monochromacy



Original Color

37.9130, 0.5086, 0.4344

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.2244, 0.3997, 0.4013

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9130, 0.5086, 0.4344 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, 145, 0)` looks like.

```
.text, #text, p{  
    color:rgb(235, 145, 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, 145, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 145, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.9130, 0.5086, 0.4344 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, 145, 0) }
```

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

```
.border{ border-color:rgb(235, 145, 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, 145, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 145, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 145, 0);  
box-shadow:4px 4px 4px 4px rgb(235, 145,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9130, 0.5086, 0.4344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 145, 0) }
```

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

```
.background{ background-color: rgb(235,  
145, 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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