

Converting Colors

$Y_{xy}(35.0034, 0.5049, 0.4373)$

Have a look what the booklet for
Yxy(35.0034, 0.5049, 0.4373)
contains.

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Color

Yxy(34.8970, 0.5047, 0.4374)

Conversions

Conversions Part 1

Format	Color
Hex	E08D00
RGB	224, 141, 0
RGB Percent	88%, 55%, 0%
CMY	0.1216, 0.4470, 0.9991
CMYK	0.00, 0.37, 1.00, 0.12
HSL	38°, 100%, 44%
HSV	38°, 100%, 88%
XYZ	40.2664, 34.8970, 4.6194
YIQ	149.7430, 94.7290, -26.2550

Conversions

Conversions Part 2

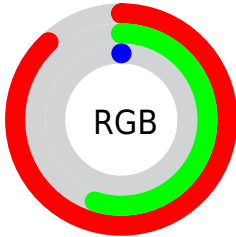
Format	Color
RYB	132, 224, 0
Decimal	14716160
CIELab	65.67, 23.51, 71.05
CIElCh	66, 74.840, 71.695
Yxy	34.8970, 0.5047, 0.4374
Android (android.graphics.Color)	4292906240 (0xFFE08D00)
YUV	149.7430, -73.8233, 65.1234
Hunter-Lab	59.0737, 18.2920, 36.7152

Details

The Yxy color **34.8970, 0.5047, 0.4374** 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 **11.6023, 0.1656, 0.1160**, and the grayscale version is **30.6849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7713, 0.4506, 0.4420**, and **15.1636, 0.5214, 0.4242** is the 20% darker color. If you saturate the color by 10%, you get **34.8746, 0.5048, 0.4374**, and if you desaturate by 10%, it is **37.5014, 0.4903, 0.4411**.

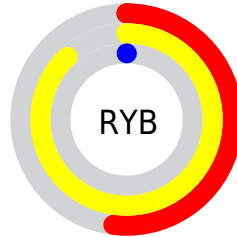
Distribution



Red (88%)

Green (55%)

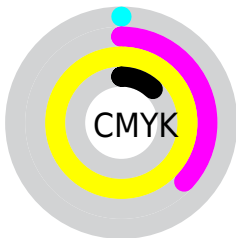
Blue (0%)



Red (52%)

Yellow (88%)

Blue (0%)

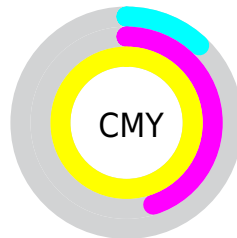


Cyan (0%)

Magenta (37%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (45%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8970, 0.5047, 0.4374 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 34.8970, 0.5047, 0.4374 by changing the saturation by 10% instead.


 34.8970, 0.5047,
0.4374


 34.8970, 0.5047,
0.4374


324.1135, 0.4140,
0.3965

 23.5835, 0.5222,
0.4409


 67.3262, 0.4750,
0.4272


 15.0250, 0.5420,
0.4422


 89.2107, 0.4627,
0.4219


 8.8369, 0.5622,
0.4378


 115.3877, 0.4519,
0.4168

 4.6350, 0.5789,
0.4211

 146.2415, 0.4424,
0.4121

 2.0347, 0.6049,
0.3951

 182.1566, 0.4340,
0.4077

 0.6275, 0.6594,
0.3406

 223.5174, 0.4266,

 0.0000, 1.0000,

0.4037


0.0000


 270.7082, 0.4199,
0.3999


 0.0000, 0.0000,
0.0000


 34.8970, 0.5047,
0.4374

 34.8970, 0.5047,
0.4374


 34.8746, 0.5048,
0.4374

 37.5014, 0.4903,
0.4411

 40.3610, 0.4729,
0.4400

 43.5035, 0.4527,
0.4338

 46.9452, 0.4307,
0.4234

 50.7005, 0.4083,
0.4098

■ 54.7820, 0.3862,
0.3941

■ 59.2016, 0.3653,
0.3776

■ 63.9702, 0.3460,
0.3608

■ 69.0982, 0.3284,
0.3445

Harmonies

Analogous

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



34.8970, 0.5333, 0.3606



34.8970, 0.5047, 0.4374



34.8970, 0.4265, 0.5121

Triad

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



34.8970, 0.5047, 0.4374



34.8970, 0.1598, 0.3388



34.8970, 0.2627, 0.1858

Complementary

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



34.8970, 0.5047, 0.4374



11.6023, 0.1656, 0.1160

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.



34.8970, 0.1826, 0.1693



34.8970, 0.5047, 0.4374



34.8970, 0.1326, 0.2344

Square

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



34.8970, 0.5047, 0.4374



34.8970, 0.2287, 0.4733



34.8970, 0.1409, 0.1824



34.8970, 0.3767, 0.2283

Rectangle

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



34.8970, 0.5047, 0.4374



34.8970, 0.3611, 0.5420



34.8970, 0.1409, 0.1824



34.8970, 0.2315, 0.1773

Sweetspot

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



34.8988, 0.5047, 0.4374



79.2294, 0.3660, 0.3781



16.5239, 0.5474, 0.2790



16.4087, 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.



34.8988, 0.5047, 0.4374



46.5499, 0.5056, 0.4368



65.3028, 0.3987, 0.5216



15.1304, 0.3276, 0.3437



20.5266, 0.5032, 0.4387



1.5925, 0.4869, 0.4516

Inverse Universe

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



11.6023, 0.1656, 0.1160



15.3277, 0.1652, 0.1145



5.6104, 0.1537, 0.0621



14.0718, 0.2981, 0.3138



6.9426, 0.1663, 0.1186



0.6487, 0.1749, 0.1496

Previews

White Background



This preview shows how the Yxy color 34.8970, 0.5047, 0.4374 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 34.8970, 0.5047, 0.4374 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 34.8970, 0.5047, 0.4374

Background



This preview shows how black text looks on a background with the Yxy color 34.8970, 0.5047, 0.4374.



This preview shows how white text looks on a background with the Yxy color 34.8970, 0.5047, 0.4374.

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

34.8970, 0.5047, 0.4374

Protanopia

34.8823, 0.4377, 0.4849

Deuteranopia

35.0130, 0.4714, 0.4639



Tritanopia

34.9787, 0.4138, 0.3177

Trichromacy



Original Color

34.8970, 0.5047, 0.4374

Protanomaly

34.5401, 0.4629, 0.4674

Deuteranomaly

34.8814, 0.4838, 0.4540

Tritanomaly

34.5601, 0.4662, 0.3791

Monochromacy



Original Color

34.8970, 0.5047, 0.4374

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.0591, 0.3975, 0.4024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8970, 0.5047, 0.4374 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(224, 141, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 141, 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(224, 141, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 141, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.8970, 0.5047, 0.4374 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(224, 141, 0) }
```

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

```
.border{ border-color:rgb(224, 141, 0) }
```

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

Here you see how a box with a 4 pixel rgb(224, 141, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 141, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 141, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 141,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8970, 0.5047, 0.4374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 141, 0) }
```

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

```
.background{ background-color: rgb(224,  
141, 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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