

Converting Colors

$Y_{xy}(34.9922, 0.5227, 0.4232)$

Have a look what the booklet for
Yxy(34.9922, 0.5227, 0.4232)
contains.

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Color

Yxy(34.8831, 0.5229, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	EC8600
RGB	236, 134, 0
RGB Percent	93%, 53%, 0%
CMY	0.0744, 0.4745, 0.9998
CMYK	0.00, 0.43, 1.00, 0.07
HSL	34°, 100%, 46%
HSV	34°, 100%, 93%
XYZ	43.1214, 34.8831, 4.4614
YIQ	149.2220, 103.8060, -20.0500

Conversions

Conversions Part 2

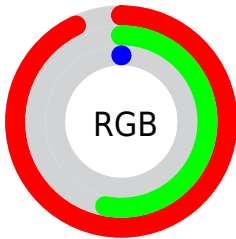
Format	Color
RYB	180, 236, 0
Decimal	15500800
CIELab	65.66, 32.23, 71.84
CIElCh	66, 78.736, 65.840
Yxy	34.8831, 0.5229, 0.4230
Android (android.graphics.Color)	4293690880 (0xFFEC8600)
YUV	149.2220, -73.5664, 76.1043
Hunter-Lab	59.0619, 26.9655, 36.8647

Details

The Yxy color **34.8831, 0.5229, 0.4230** 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 **15.5730, 0.1704, 0.1333**, and the grayscale version is **30.4398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.7075, 0.4564, 0.4359**, and **15.0707, 0.5459, 0.4047** is the 20% darker color. If you saturate the color by 10%, you get **34.8793, 0.5229, 0.4230**, and if you desaturate by 10%, it is **37.9074, 0.5059, 0.4285**.

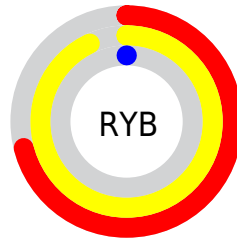
Distribution



Red (93%)

Green (53%)

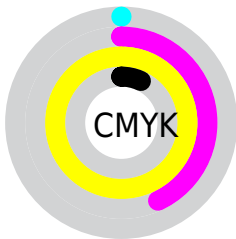
Blue (0%)



Red (71%)

Yellow (93%)

Blue (0%)

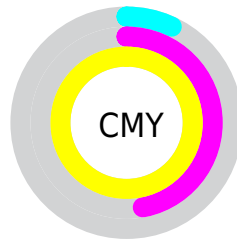


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (47%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.8831, 0.5229, 0.4230 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 34.8831, 0.5229, 0.4230 by changing the saturation by 10% instead.


 34.8831, 0.5229,
0.4230


 34.8831, 0.5229,
0.4230


324.0520, 0.4231,
0.3917

 23.5728, 0.5424,
0.4237


 67.3046, 0.4900,
0.4167


 15.0171, 0.5649,
0.4216


 89.1847, 0.4765,
0.4128


 8.8314, 0.5878,
0.4122

 115.3568, 0.4647,
0.4088

 4.6313, 0.6093,
0.3907

 146.2054, 0.4543,
0.4049

 2.0326, 0.6423,
0.3577

 182.1148, 0.4450,
0.4013

 0.6263, 0.7062,
0.2938


 223.4694, 0.4369,


 0.0000, 1.0000,


0.3979


0.0000

 270.6537, 0.4296,
0.3947


 0.0000, 0.0000,
0.0000

 34.8831, 0.5229,
0.4230


 34.8831, 0.5229,
0.4230

 34.8793, 0.5229,
0.4230

 37.9074, 0.5059,
0.4285

 41.2878, 0.4856,
0.4290

 45.0579, 0.4624,
0.4242

 49.2389, 0.4377,
0.4150

 53.8497, 0.4130,
0.4027

■ 58.9073, 0.3892,
0.3885

■ 64.4275, 0.3670,
0.3733

■ 70.4250, 0.3468,
0.3580

■ 76.9138, 0.3287,
0.3431

Harmonies

Analogous

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



34.8831, 0.5407, 0.3450



34.8831, 0.5229, 0.4230



34.8831, 0.4475, 0.5045

Triad

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



34.8831, 0.5229, 0.4230



34.8831, 0.1635, 0.3660



34.8831, 0.2405, 0.1749

Complementary

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



34.8831, 0.5229, 0.4230



15.5730, 0.1704, 0.1333

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.



34.8831, 0.1661, 0.1634



34.8831, 0.5229, 0.4230



34.8831, 0.1282, 0.2458

Square

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



34.8831, 0.5229, 0.4230



34.8831, 0.2422, 0.5055



34.8831, 0.1304, 0.1830



34.8831, 0.3546, 0.2137

Rectangle

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



34.8831, 0.5229, 0.4230



34.8831, 0.3814, 0.5458



34.8831, 0.1304, 0.1830



34.8831, 0.2110, 0.1679

Sweetspot

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



34.8850, 0.5229, 0.4230



76.6977, 0.3673, 0.3735



18.8019, 0.5277, 0.2681



15.8062, 0.3765, 0.3800



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.



34.8850, 0.5229, 0.4230



41.4354, 0.5235, 0.4226



75.2602, 0.4075, 0.5146



16.4733, 0.3279, 0.3424



19.4855, 0.5208, 0.4247



1.7207, 0.5029, 0.4389

Inverse Universe

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



15.5730, 0.1704, 0.1333



18.4252, 0.1702, 0.1326



6.1663, 0.1516, 0.0609



15.6201, 0.2980, 0.3153



8.8262, 0.1712, 0.1363



0.8810, 0.1787, 0.1631

Previews

White Background



This preview shows how the Yxy color 34.8831, 0.5229, 0.4230 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 34.8831, 0.5229, 0.4230 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 34.8831, 0.5229, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 34.8831, 0.5229, 0.4230.



This preview shows how white text looks on a background with the Yxy color 34.8831, 0.5229, 0.4230.

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

34.8831, 0.5229, 0.4230

Protanopia

34.8919, 0.4371, 0.4840

Tritanopia

35.0615, 0.4376, 0.3207

Trichromacy



Original Color

34.8831, 0.5229, 0.4230

Protanomaly

34.4391, 0.4689, 0.4620

Tritanomaly

34.4449, 0.4872, 0.3733

Monochromacy



Original Color

34.8831, 0.5229, 0.4230

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.5965, 0.4050, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8831, 0.5229, 0.4230 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(236, 134, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 134, 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(236, 134, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 134, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.8831, 0.5229, 0.4230 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(236, 134, 0) }
```

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

```
.border{ border-color:rgb(236, 134, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 134, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 134, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 134, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 134,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 34.8831, 0.5229, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 134, 0) }
```

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

```
.background{ background-color: rgb(236,  
134, 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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