

Converting Colors

$Yxy(36.9491, 0.4981, 0.4329)$

Have a look what the booklet for
Yxy(36.9491, 0.4981, 0.4329)
contains.

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Color

Yxy(36.9834, 0.4987, 0.4327)

Conversions

Conversions Part 1

Format	Color
Hex	E5911A
RGB	229, 145, 26
RGB Percent	90%, 57%, 10%
CMY	0.1020, 0.4313, 0.8984
CMYK	0.00, 0.37, 0.89, 0.10
HSL	35°, 80%, 50%
HSV	35°, 89%, 90%
XYZ	42.6245, 36.9834, 5.8633
YIQ	156.5500, 88.2630, -19.2010

Conversions

Conversions Part 2

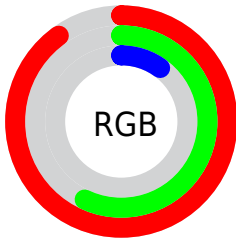
Format	Color
RYB	169, 229, 26
Decimal	15044890
CIELab	67.26, 23.82, 68.03
CIElCh	67, 72.083, 70.706
Yxy	36.9834, 0.4987, 0.4327
Android (android.graphics.Color)	4293234970 (0xFFE5911A)
YUV	156.5500, -64.3612, 63.5386
Hunter-Lab	60.8140, 18.6861, 36.8534

Details

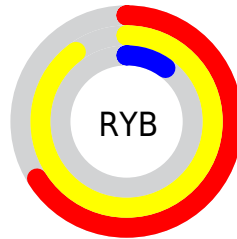
The Yxy color **36.9834, 0.4987, 0.4327** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **17.0056, 0.1774, 0.1498**, and the grayscale version is **33.7656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.7627, 0.4413, 0.4376**, and **16.2209, 0.5214, 0.4242** is the 20% darker color. If you saturate the color by 10%, you get **34.1428, 0.5151, 0.4283**, and if you desaturate by 10%, it is **40.1476, 0.4788, 0.4320**.

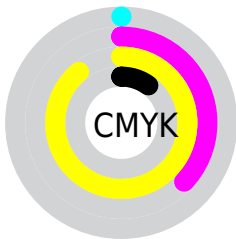
Distribution



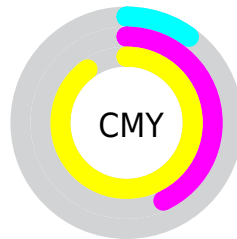
- Red (90%)
- Green (57%)
- Blue (10%)



- Red (66%)
- Yellow (90%)
- Blue (10%)



- Cyan (0%)
- Magenta (37%)
- Yellow (89%)
- Black (10%)





- Cyan (10%)
- Magenta (43%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9834, 0.4987, 0.4327 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 36.9834, 0.4987, 0.4327 by changing the saturation by 10% instead.


 36.9834, 0.4987,
0.4327


 36.9834, 0.4987,
0.4327


333.2386, 0.4102,
0.3928


 25.1946, 0.5164,
0.4369


 70.5473, 0.4693,
0.4223


 16.2221, 0.5359,
0.4386


 93.0911, 0.4573,
0.4171

 9.6815, 0.5610,
0.4390


 119.9888, 0.4468,
0.4122

 5.1883, 0.5768,
0.4232

 151.6248, 0.4376,
0.4076

 2.3582, 0.6011,
0.3989

 188.3833, 0.4295,
0.4034

 0.8042, 0.6437,
0.3563

 230.6489, 0.4223,

 0.0000, 1.0000,

0.3996

0.0000

278.8059, 0.4159,
0.3960

■ 0.0000, 0.0000,
0.0000

■ 36.9834, 0.4987,
0.4327

■ 36.9834, 0.4987,
0.4327

■ 34.1428, 0.5151,
0.4283

■ 40.1476, 0.4788,
0.4320

■ 33.7897, 0.5172,
0.4275

■ 43.6548, 0.4563,
0.4262

■ 47.5255, 0.4324,
0.4161

■ 51.7761, 0.4084,
0.4031

■ 56.4216, 0.3854,
0.3882

■ 61.4756, 0.3638,
0.3726

■ 66.9510, 0.3442,
0.3569

■ 72.8600, 0.3265,
0.3416

■ 79.2142, 0.3108,
0.3272

Harmonies

Analogous

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



36.9834, 0.5221, 0.3590



36.9834, 0.4987, 0.4327



36.9834, 0.4262, 0.5026

Triad

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



36.9834, 0.4987, 0.4327



36.9834, 0.1686, 0.3431



36.9834, 0.2624, 0.1908

Complementary

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



36.9834, 0.4987, 0.4327



17.0056, 0.1774, 0.1498

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.



36.9834, 0.1865, 0.1758



36.9834, 0.4987, 0.4327



36.9834, 0.1403, 0.2424

Square

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



36.9834, 0.4987, 0.4327



36.9834, 0.2367, 0.4678



36.9834, 0.1471, 0.1901



36.9834, 0.3699, 0.2312

Rectangle

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



36.9834, 0.4987, 0.4327



36.9834, 0.3641, 0.5300



36.9834, 0.1471, 0.1901



36.9834, 0.2329, 0.1828

Sweetspot

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



36.9853, 0.4987, 0.4327



79.4907, 0.3607, 0.3702



18.5301, 0.5027, 0.2622



16.5213, 0.3678, 0.3756



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.



36.9853, 0.4987, 0.4327



42.9262, 0.5179, 0.4270



70.1218, 0.4040, 0.5115



15.7655, 0.3278, 0.3428



19.5619, 0.5153, 0.4291



1.6277, 0.4975, 0.4432

Inverse Universe

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



17.0056, 0.1774, 0.1498



17.4171, 0.1686, 0.1268



6.9017, 0.1597, 0.0711



14.8614, 0.2981, 0.3148



8.1083, 0.1697, 0.1307



0.7787, 0.1776, 0.1595

Previews

White Background



This preview shows how the Yxy color 36.9834, 0.4987, 0.4327 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 36.9834, 0.4987, 0.4327 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 36.9834, 0.4987, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 36.9834, 0.4987, 0.4327.



This preview shows how white text looks on a background with the Yxy color 36.9834, 0.4987, 0.4327.

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

36.9834, 0.4987, 0.4327

Protanopia

37.3235, 0.4335, 0.4800

Deuteranopia

37.2242, 0.4697, 0.4602



Tritanopia

37.0344, 0.4124, 0.3180

Trichromacy



Original Color

36.9834, 0.4987, 0.4327

Protanomaly

36.9599, 0.4575, 0.4628

Deuteranomaly

37.1059, 0.4808, 0.4497

Tritanomaly

36.7482, 0.4557, 0.3702

Monochromacy



Original Color

36.9834, 0.4987, 0.4327

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.9539, 0.3877, 0.3908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9834, 0.4987, 0.4327 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(229, 145, 26)` looks like.

```
.text, #text, p{  
    color:rgb(229, 145, 26)  
}
```

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(229, 145, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 145, 26) }
```

Border

The CSS property to change the border of an element to Yxy 36.9834, 0.4987, 0.4327 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(229, 145, 26) }
```

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

```
.border{ border-color:rgb(229, 145, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 145, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 145, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 145, 26);  
box-shadow:4px 4px 4px 4px rgb(229, 145,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9834, 0.4987, 0.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 145, 26) }
```

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

```
.background{ background-color: rgb(229,  
145, 26) }
```

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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