

Converting Colors

$Y_{xy}(37.0860, 0.5007, 0.4270)$

Have a look what the booklet for
Yxy(37.0860, 0.5007, 0.4270)
contains.

Yxy(37.2121, 0.4999, 0.4274)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.2121, 0.4999, 0.4274)

Conversions

Conversions Part 1

Format	Color
Hex	E89021
RGB	232, 144, 33
RGB Percent	91%, 56%, 13%
CMY	0.0902, 0.4352, 0.8705
CMYK	0.00, 0.38, 0.86, 0.09
HSL	33°, 81%, 52%
HSV	33°, 86%, 91%
XYZ	43.5244, 37.2121, 6.3297
YIQ	157.6580, 88.0790, -15.8650

Conversions

Conversions Part 2

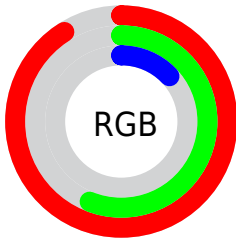
Format	Color
RYB	191, 232, 33
Decimal	15241249
CIELab	67.44, 25.75, 66.38
CIElCh	67, 71.199, 68.795
Yxy	37.2121, 0.4999, 0.4274
Android (android.graphics.Color)	4293431329 (0xFFE89021)
YUV	157.6580, -61.4564, 65.1979
Hunter-Lab	61.0017, 20.6058, 36.5491

Details

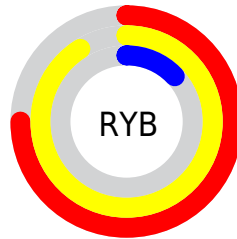
The Yxy color **37.2121, 0.4999, 0.4274** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **19.8272, 0.1823, 0.1641**, and the grayscale version is **34.2857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3864, 0.4393, 0.4331**, and **16.3747, 0.5261, 0.4204** is the 20% darker color. If you saturate the color by 10%, you get **34.1576, 0.5185, 0.4235**, and if you desaturate by 10%, it is **40.6423, 0.4777, 0.4258**.

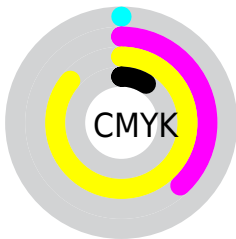
Distribution



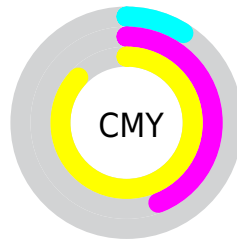
- Red (91%)
- Green (56%)
- Blue (13%)



- Red (75%)
- Yellow (91%)
- Blue (13%)



- Cyan (0%)
- Magenta (38%)
- Yellow (86%)
- Black (9%)





- Cyan (9%)
- Magenta (44%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2121, 0.4999, 0.4274 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 37.2121, 0.4999, 0.4274 by changing the saturation by 10% instead.

 37.2121, 0.4999,
0.4274


 37.2121, 0.4999,
0.4274


334.2279, 0.4102,
0.3899

 25.3718, 0.5182,
0.4312


 70.8989, 0.4698,
0.4177


 16.3542, 0.5387,
0.4327


 93.5141, 0.4577,
0.4128


 9.7752, 0.5664,
0.4336


 120.4897, 0.4470,
0.4082

 5.2501, 0.5832,
0.4168

 152.2102, 0.4378,
0.4039

 2.3948, 0.6088,
0.3912

 189.0598, 0.4296,
0.3999

 0.8232, 0.6530,
0.3470

 231.4230, 0.4224,

 0.0000, 1.0000,

0.3963

0.0000

279.6843, 0.4159,
0.3929

■ 0.0000, 0.0000,
0.0000

■ 37.2121, 0.4999,
0.4274

■ 37.2121, 0.4999,
0.4274

■ 34.1576, 0.5185,
0.4235

■ 40.6423, 0.4777,
0.4258

■ 32.9611, 0.5257,
0.4208

■ 44.4654, 0.4532,
0.4192

■ 48.7031, 0.4280,
0.4088

■ 53.3731, 0.4032,
0.3957

■ 58.4916, 0.3799,
0.3812

■ 64.0738, 0.3584,
0.3662

■ 70.1338, 0.3390,
0.3512

■ 76.6851, 0.3217,
0.3369

■ 83.7404, 0.3065,
0.3234

Harmonies

Analogous

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



37.2121, 0.5185, 0.3547



37.2121, 0.4999, 0.4274



37.2121, 0.4308, 0.4970

Triad

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



37.2121, 0.4999, 0.4274



37.2121, 0.1736, 0.3509



37.2121, 0.2572, 0.1906

Complementary

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



37.2121, 0.4999, 0.4274



19.8272, 0.1823, 0.1641

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.



37.2121, 0.1845, 0.1775



37.2121, 0.4999, 0.4274



37.2121, 0.1429, 0.2486

Square

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



37.2121, 0.4999, 0.4274



37.2121, 0.2433, 0.4722



37.2121, 0.1474, 0.1938



37.2121, 0.3620, 0.2291

Rectangle

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



37.2121, 0.4999, 0.4274



37.2121, 0.3701, 0.5259



37.2121, 0.1474, 0.1938



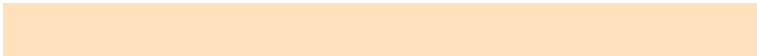
37.2121, 0.2289, 0.1832

Sweetspot

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



37.2140, 0.4999, 0.4274



79.1411, 0.3591, 0.3667



19.6628, 0.4825, 0.2539



16.4113, 0.3664, 0.3720



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.



37.2140, 0.4999, 0.4274



40.6772, 0.5264, 0.4203



73.3533, 0.4085, 0.5056



15.6947, 0.3278, 0.3421



18.5558, 0.5235, 0.4225



1.5557, 0.5042, 0.4379

Inverse Universe

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



19.8272, 0.1823, 0.1641



18.9770, 0.1710, 0.1356



7.4284, 0.1603, 0.0739



14.9309, 0.2981, 0.3155



8.8167, 0.1721, 0.1395



0.8342, 0.1799, 0.1677

Previews

White Background



This preview shows how the Yxy color 37.2121, 0.4999, 0.4274 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 37.2121, 0.4999, 0.4274 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 37.2121, 0.4999, 0.4274

Background



This preview shows how black text looks on a background with the Yxy color 37.2121, 0.4999, 0.4274.



This preview shows how white text looks on a background with the Yxy color 37.2121, 0.4999, 0.4274.

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

37.2121, 0.4999, 0.4274

Protanopia

37.3645, 0.4311, 0.4763

Deuteranopia

37.2570, 0.4676, 0.4575



Tritanopia

37.0683, 0.4160, 0.3181

Trichromacy



Original Color

37.2121, 0.4999, 0.4274

Protanomaly

36.7979, 0.4571, 0.4579

Deuteranomaly

37.2920, 0.4795, 0.4464

Tritanomaly

36.8386, 0.4563, 0.3666

Monochromacy



Original Color

37.2121, 0.4999, 0.4274

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.2890, 0.3859, 0.3848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2121, 0.4999, 0.4274 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(232, 144, 33)` looks like.

```
.text, #text, p{  
    color:rgb(232, 144, 33)  
}
```

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(232, 144, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 144, 33) }
```

Border

The CSS property to change the border of an element to Yxy 37.2121, 0.4999, 0.4274 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(232, 144, 33) }
```

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

```
.border{ border-color:rgb(232, 144, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 144, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 144, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 144, 33);  
box-shadow:4px 4px 4px 4px rgb(232, 144,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2121, 0.4999, 0.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 144, 33) }
```

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

```
.background{ background-color: rgb(232,  
144, 33) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor