

Converting Colors

Yxy(37.3111, 0.4999, 0.4238)

Have a look what the booklet for
Yxy(37.3111, 0.4999, 0.4238)
contains.

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Color

Yxy(37.2773, 0.5007, 0.4232)

Conversions

Conversions Part 1

Format	Color
Hex	EA8F26
RGB	234, 143, 38
RGB Percent	92%, 56%, 15%
CMY	0.0824, 0.4392, 0.8510
CMYK	0.00, 0.39, 0.84, 0.08
HSL	32°, 82%, 53%
HSV	32°, 84%, 92%
XYZ	44.1038, 37.2773, 6.7032
YIQ	158.2390, 87.9410, -13.3630

Conversions

Conversions Part 2

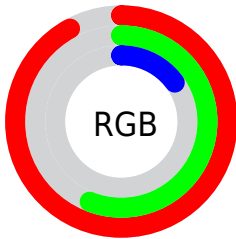
Format	Color
R _Y B	208, 234, 38
Decimal	15372070
CIE Lab	67.48, 27.25, 64.97
CIE LCh	67, 70.449, 67.247
Yxy	37.2773, 0.5007, 0.4232
Android (android.graphics.Color)	4293562150 (0xFFEA8F26)
YUV	158.2390, -59.2778, 66.4424
Hunter-Lab	61.0551, 22.0949, 36.2292

Details

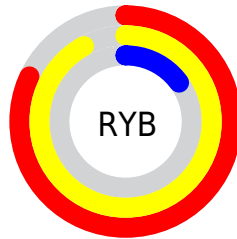
The Yxy color **37.2773, 0.5007, 0.4232** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **22.0481, 0.1859, 0.1744**, and the grayscale version is **34.5517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9828, 0.4383, 0.4300**, and **16.4249, 0.5298, 0.4175** is the 20% darker color. If you saturate the color by 10%, you get **34.0673, 0.5212, 0.4199**, and if you desaturate by 10%, it is **40.9017, 0.4768, 0.4210**.

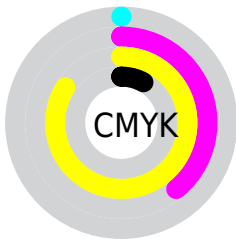
Distribution



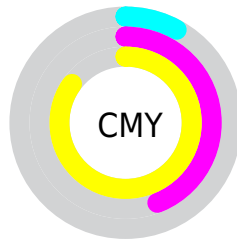
- Red (92%)
- Green (56%)
- Blue (15%)



- Red (82%)
- Yellow (92%)
- Blue (15%)



- Cyan (0%)
- Magenta (39%)
- Yellow (84%)
- Black (8%)




- Cyan (8%)
- Magenta (44%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2773, 0.5007, 0.4232 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 37.2773, 0.5007, 0.4232 by changing the saturation by 10% instead.


 37.2773, 0.5007,
0.4232


 37.2773, 0.5007,
0.4232


334.5095, 0.4101,
0.3875


 25.4223, 0.5195,
0.4267


 70.9991, 0.4701,
0.4140


 16.3919, 0.5408,
0.4280


 93.6346, 0.4578,
0.4094

 9.8019, 0.5706,
0.4294


 120.6324, 0.4471,
0.4050

 5.2678, 0.5882,
0.4118

 152.3769, 0.4378,
0.4009

 2.4052, 0.6149,
0.3851

 189.2524, 0.4295,
0.3971

 0.8286, 0.6605,
0.3395

 231.6435, 0.4223,

 0.0000, 1.0000,

0.3936

0.0000

279.9344, 0.4158,
0.3904

■ 0.0000, 0.0000,
0.0000

■ 37.2773, 0.5007,
0.4232

■ 37.2773, 0.5007,
0.4232

■ 34.0673, 0.5212,
0.4199

■ 40.9017, 0.4768,
0.4210


■ 32.2538, 0.5323,
0.4156

■ 44.9588, 0.4510,
0.4141


■ 49.4713, 0.4249,
0.4035

■ 54.4583, 0.3996,
0.3906

■ 59.9370, 0.3761,
0.3764

 65.9238, 0.3546,
0.3619

 72.4340, 0.3355,
0.3476

 79.4821, 0.3185,
0.3339

 87.0821, 0.3037,
0.3211

Harmonies

Analogous

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



37.2773, 0.5155, 0.3512



37.2773, 0.5007, 0.4232



37.2773, 0.4344, 0.4926

Triad

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



37.2773, 0.5007, 0.4232



37.2773, 0.1776, 0.3571



37.2773, 0.2532, 0.1904

Complementary

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



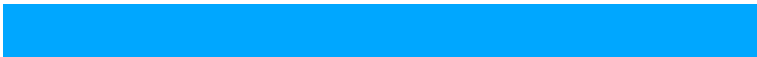
37.2773, 0.5007, 0.4232



22.0481, 0.1859, 0.1744

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.



37.2773, 0.1829, 0.1788



37.2773, 0.5007, 0.4232



37.2773, 0.1450, 0.2536

Square

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



37.2773, 0.5007, 0.4232



37.2773, 0.2487, 0.4755



37.2773, 0.1478, 0.1969



37.2773, 0.3558, 0.2275

Rectangle

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



37.2773, 0.5007, 0.4232



37.2773, 0.3748, 0.5226



37.2773, 0.1478, 0.1969



37.2773, 0.2257, 0.1836

Sweetspot

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



37.2792, 0.5007, 0.4232



79.1027, 0.3574, 0.3638



20.4751, 0.4713, 0.2499



16.3726, 0.3648, 0.3690



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.



37.2792, 0.5007, 0.4232



39.0444, 0.5329, 0.4151



75.3918, 0.4103, 0.5022



16.3907, 0.3279, 0.3416



18.3796, 0.5300, 0.4173



1.6355, 0.5105, 0.4328

Inverse Universe

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



22.0481, 0.1859, 0.1744



20.2658, 0.1730, 0.1427



7.8732, 0.1613, 0.0765



15.7015, 0.2980, 0.3160



9.6863, 0.1740, 0.1463



0.9514, 0.1812, 0.1724

Previews

White Background



This preview shows how the Yxy color 37.2773, 0.5007, 0.4232 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 37.2773, 0.5007, 0.4232 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 37.2773, 0.5007, 0.4232

Background



This preview shows how black text looks on a background with the Yxy color 37.2773, 0.5007, 0.4232.



This preview shows how white text looks on a background with the Yxy color 37.2773, 0.5007, 0.4232.

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

37.2773, 0.5007, 0.4232

Protanopia

37.4064, 0.4286, 0.4727

Deuteranopia

37.2858, 0.4657, 0.4552



Tritanopia

37.1090, 0.4197, 0.3182

Trichromacy



Original Color

37.2773, 0.5007, 0.4232

Protanomaly

36.9776, 0.4555, 0.4540

Deuteranomaly

37.0004, 0.4786, 0.4430

Tritanomaly

36.9158, 0.4579, 0.3641

Monochromacy



Original Color

37.2773, 0.5007, 0.4232

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.4365, 0.3859, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2773, 0.5007, 0.4232 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(234, 143, 38)` looks like.

```
.text, #text, p{  
    color:rgb(234, 143, 38)  
}
```

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(234, 143, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 143, 38) }
```

Border

The CSS property to change the border of an element to Yxy 37.2773, 0.5007, 0.4232 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(234, 143, 38) }
```

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

```
.border{ border-color:rgb(234, 143, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 143, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 143, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 143, 38);  
box-shadow:4px 4px 4px 4px rgb(234, 143,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2773, 0.5007, 0.4232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 143, 38) }
```

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

```
.background{ background-color: rgb(234,  
143, 38) }
```

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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