

Converting Colors

$Y_{xy}(37.6159, 0.4866, 0.4104)$

Have a look what the booklet for
Yxy(37.6159, 0.4866, 0.4104)
contains.

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Color

Yxy(37.7867, 0.4864, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	EA903E
RGB	234, 144, 62
RGB Percent	92%, 56%, 24%
CMY	0.0824, 0.4353, 0.7569
CMYK	0.00, 0.38, 0.74, 0.08
HSL	29°, 80%, 58%
HSV	29°, 74%, 92%
XYZ	44.7733, 37.7867, 9.4904
YIQ	161.5620, 79.9620, -6.4220

Conversions

Conversions Part 2

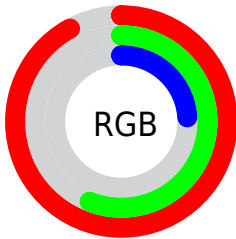
Format	Color
R _Y B	234, 219, 62
Decimal	15372350
CIE Lab	67.86, 27.56, 55.92
CIE LCh	68, 62.340, 63.759
Yxy	37.7867, 0.4864, 0.4105
Android (android.graphics.Color)	4293562430 (0xFFEA903E)
YUV	161.5620, -49.0841, 63.5281
Hunter-Lab	61.4709, 22.4393, 33.8759

Details

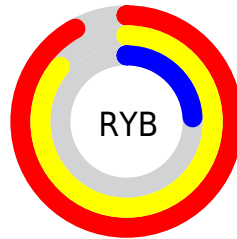
The Yxy color **37.7867, 0.4864, 0.4105** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **29.4153, 0.2011, 0.2108**, and the grayscale version is **36.1226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8631, 0.4242, 0.4136**, and **16.7173, 0.5284, 0.4175** is the 20% darker color. If you saturate the color by 10%, you get **34.0748, 0.5134, 0.4115**, and if you desaturate by 10%, it is **42.0152, 0.4577, 0.4047**.

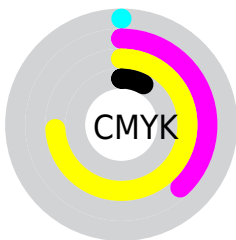
Distribution



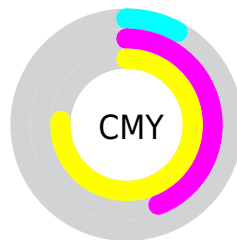
- Red (92%)
- Green (56%)
- Blue (24%)



- Red (92%)
- Yellow (86%)
- Blue (24%)



- Cyan (0%)
- Magenta (38%)
- Yellow (74%)
- Black (8%)



- Cyan (8%)
- Magenta (44%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7867, 0.4864, 0.4105 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 37.7867, 0.4864, 0.4105 by changing the saturation by 10% instead.

 37.7867, 0.4864,
0.4105

 37.7867, 0.4864,
0.4105


336.7041, 0.4004,
0.3780

 25.8172, 0.5056,
0.4147


 71.7811, 0.4564,
0.4014

 16.6869, 0.5283,
0.4175


 94.5747, 0.4447,
0.3971

 10.0115, 0.5554,
0.4173


 121.7452, 0.4346,
0.3932

 5.4066, 0.5884,
0.4116

 153.6770, 0.4259,
0.3896

 2.4877, 0.6149,
0.3851

 190.7543, 0.4183,
0.3863

 0.8705, 0.6596,
0.3404

233.3617, 0.4116,

 0.0000, 1.0000,

0.3833

0.0000

281.8835, 0.4057,
0.3805

■ 0.0000, 0.0000,
0.0000

■ 37.7867, 0.4864,
0.4105

■ 37.7867, 0.4864,
0.4105

■ 34.0748, 0.5134,
0.4115

■ 42.0152, 0.4577,
0.4047

■ 30.8456, 0.5367,
0.4070


■ 46.7792, 0.4291,
0.3954

■ 28.9860, 0.5498,
0.4017


■ 52.1033, 0.4020,
0.3838


■ 58.0084, 0.3772,
0.3711

■ 64.5141, 0.3549,
0.3580

 71.6389, 0.3353,
0.3453

 79.4005, 0.3182,
0.3331

 87.8157, 0.3033,
0.3217

 95.7151, 0.2999,
0.3282

Harmonies

Analogous

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



37.7867, 0.4900, 0.3449



37.7867, 0.4864, 0.4105



37.7867, 0.4333, 0.4717

Triad

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



37.7867, 0.4864, 0.4105



37.7867, 0.1981, 0.3672



37.7867, 0.2511, 0.2008

Complementary

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



37.7867, 0.4864, 0.4105



29.4153, 0.2011, 0.2108

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.



37.7867, 0.1902, 0.1935



37.7867, 0.4864, 0.4105



37.7867, 0.1627, 0.2724

Square

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



37.7867, 0.4864, 0.4105



37.7867, 0.2669, 0.4648



37.7867, 0.1610, 0.2149



37.7867, 0.3402, 0.2325

Rectangle

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



37.7867, 0.4864, 0.4105



37.7867, 0.3815, 0.4982



37.7867, 0.1610, 0.2149



37.7867, 0.2273, 0.1955

Sweetspot

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



37.7887, 0.4864, 0.4105



79.5812, 0.3520, 0.3562



23.2606, 0.4253, 0.2386



16.5506, 0.3577, 0.3597



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.



37.7887, 0.4864, 0.4105



39.4187, 0.5254, 0.4100



73.4705, 0.4132, 0.4849



16.2389, 0.3281, 0.3403



16.5379, 0.5473, 0.4037



1.4902, 0.5250, 0.4214

Inverse Universe

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



29.4153, 0.2011, 0.2108



28.6855, 0.1866, 0.1833



11.0660, 0.1734, 0.1016



15.8531, 0.2981, 0.3175



11.4727, 0.1794, 0.1658



1.0934, 0.1861, 0.1900

Previews

White Background



This preview shows how the Yxy color 37.7867, 0.4864, 0.4105 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 37.7867, 0.4864, 0.4105 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 37.7867, 0.4864, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 37.7867, 0.4864, 0.4105.



This preview shows how white text looks on a background with the Yxy color 37.7867, 0.4864, 0.4105.

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

37.7867, 0.4864, 0.4105

Protanopia

38.0041, 0.4146, 0.4542

Deuteranopia

37.6848, 0.4510, 0.4408



Tritanopia

37.7230, 0.4164, 0.3182

Trichromacy



Original Color

37.7867, 0.4864, 0.4105

Protanomaly

37.5436, 0.4411, 0.4376

Deuteranomaly

37.5240, 0.4649, 0.4294

Tritanomaly

37.4193, 0.4466, 0.3547

Monochromacy



Original Color

37.7867, 0.4864, 0.4105

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.6404, 0.3751, 0.3690

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7867, 0.4864, 0.4105 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, 144, 62)` looks like.

```
.text, #text, p{  
    color:rgb(234, 144, 62)  
}
```

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, 144, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 144, 62) }
```

Border

The CSS property to change the border of an element to Yxy 37.7867, 0.4864, 0.4105 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, 144, 62) }
```

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

```
.border{ border-color:rgb(234, 144, 62) }
```

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

Here you see how a box with a 4 pixel rgb(234, 144, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 144, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 144, 62);  
box-shadow:4px 4px 4px 4px rgb(234, 144,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7867, 0.4864, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 144, 62) }
```

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

```
.background{ background-color: rgb(234,  
144, 62) }
```

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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