

Converting Colors

$Y_{xy}(37.0014, 0.4697, 0.3810)$

Have a look what the booklet for
Yxy(37.0014, 0.4697, 0.3810)
contains.

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Color

Yxy(37.0363, 0.4702, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	EC8B5A
RGB	236, 139, 90
RGB Percent	93%, 55%, 35%
CMY	0.0745, 0.4549, 0.6469
CMYK	0.00, 0.41, 0.62, 0.07
HSL	20°, 79%, 64%
HSV	20°, 62%, 93%
XYZ	45.6713, 37.0363, 14.4241
YIQ	162.4170, 73.5410, 5.3250

Conversions

Conversions Part 2

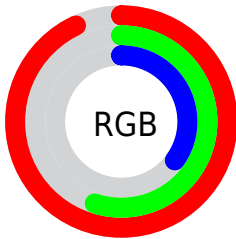
Format	Color
R _Y B	236, 164, 90
Decimal	15502170
CIE Lab	67.30, 32.56, 41.67
CIE LCh	67, 52.883, 52.003
Yxy	37.0363, 0.4702, 0.3813
Android (android.graphics.Color)	4293692250 (0xFFEC8B5A)
YUV	162.4170, -35.7016, 64.5323
Hunter-Lab	60.8575, 27.4572, 28.5477

Details

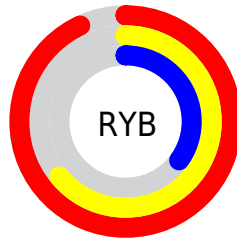
The Yxy color **37.0363, 0.4702, 0.3813** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.7885, 0.2227, 0.2626**, and the grayscale version is **36.4851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3230, 0.4069, 0.3832**, and **16.2606, 0.5135, 0.3868** is the 20% darker color. If you saturate the color by 10%, you get **32.4771, 0.5059, 0.3847**, and if you desaturate by 10%, it is **42.3784, 0.4359, 0.3749**.

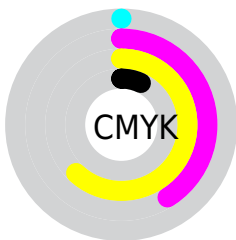
Distribution



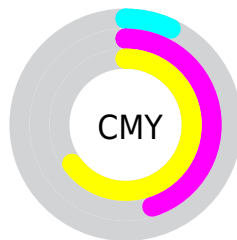
- Red (93%)
- Green (55%)
- Blue (35%)



- Red (93%)
- Yellow (64%)
- Blue (35%)



- Cyan (0%)
- Magenta (41%)
- Yellow (62%)
- Black (7%)





- Cyan (7%)
- Magenta (45%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0363, 0.4702, 0.3813 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 37.0363, 0.4702, 0.3813 by changing the saturation by 10% instead.


 37.0363, 0.4702,
0.3813


 37.0363, 0.4702,
0.3813


333.4677, 0.3894,
0.3605


 25.2356, 0.4900,
0.3841


 70.6286, 0.4409,
0.3754


 16.2527, 0.5146,
0.3861


 93.1890, 0.4298,
0.3726

 9.7031, 0.5457,
0.3858


 120.1048, 0.4205,
0.3701

 5.2026, 0.5894,
0.3828

 151.7603, 0.4124,
0.3678

 2.3666, 0.6370,
0.3630

188.5399, 0.4055,
0.3657

 0.8086, 0.6887,
0.3113

230.8281, 0.3995,

 0.0000, 1.0000,

0.3638

0.0000

279.0092, 0.3941,
0.3621

0.0000, 0.0000,
0.0000

37.0363, 0.4702,
0.3813

37.0363, 0.4702,
0.3813

32.4771, 0.5059,
0.3847

42.3784, 0.4359,
0.3749

28.6549, 0.5403,
0.3837

48.5347, 0.4046,
0.3666


25.5270, 0.5702,
0.3777


55.5411, 0.3770,
0.3574


23.4485, 0.5899,
0.3698

63.4301, 0.3531,
0.3481

72.2318, 0.3328,
0.3390

 81.9754, 0.3156,
0.3305

 92.6726, 0.3012,
0.3228

 96.5725, 0.3011,
0.3290

Harmonies

Analogous

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



37.0363, 0.4512, 0.3233



37.0363, 0.4702, 0.3813



37.0363, 0.4412, 0.4368

Triad

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



37.0363, 0.4702, 0.3813



37.0363, 0.2348, 0.3965



37.0363, 0.2354, 0.2108

Complementary

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



37.0363, 0.4702, 0.3813



43.7885, 0.2227, 0.2626

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.



37.0363, 0.1917, 0.2146



37.0363, 0.4702, 0.3813



37.0363, 0.1902, 0.3109

Square

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



37.0363, 0.4702, 0.3813



37.0363, 0.3039, 0.4630



37.0363, 0.1763, 0.2467



37.0363, 0.3051, 0.2309

Rectangle

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



37.0363, 0.4702, 0.3813



37.0363, 0.4025, 0.4649



37.0363, 0.1763, 0.2467



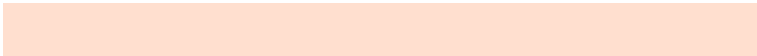
37.0363, 0.2177, 0.2092

Sweetspot

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



37.0382, 0.4702, 0.3813



78.4130, 0.3472, 0.3456



28.7551, 0.3742, 0.2277



16.1634, 0.3534, 0.3482



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.



37.0382, 0.4702, 0.3813



37.5159, 0.5146, 0.3849



65.4949, 0.4144, 0.4531



15.8797, 0.3284, 0.3370



13.1389, 0.5869, 0.3722



1.2033, 0.5601, 0.3935

Inverse Universe

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



43.7885, 0.2227, 0.2626



45.9564, 0.2097, 0.2464



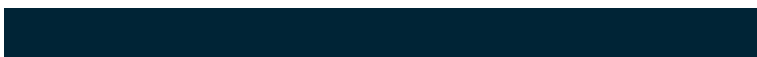
20.3502, 0.1990, 0.1593



16.2212, 0.2981, 0.3209



16.8474, 0.1932, 0.2156



1.4990, 0.1981, 0.2331

Previews

White Background



This preview shows how the Yxy color 37.0363, 0.4702, 0.3813 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 37.0363, 0.4702, 0.3813 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 37.0363, 0.4702, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 37.0363, 0.4702, 0.3813.



This preview shows how white text looks on a background with the Yxy color 37.0363, 0.4702, 0.3813.

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

37.0363, 0.4702, 0.3813

Protanopia

37.1551, 0.3874, 0.4190

Deuteranopia

37.3424, 0.4259, 0.4175



Tritanopia

37.0788, 0.4208, 0.3193

Trichromacy



Original Color

37.0363, 0.4702, 0.3813

Protanomaly

36.5666, 0.4167, 0.4047

Deuteranomaly

36.7970, 0.4428, 0.4037

Tritanomaly

36.9351, 0.4406, 0.3426

Monochromacy



Original Color

37.0363, 0.4702, 0.3813

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.7076, 0.3665, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0363, 0.4702, 0.3813 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, 139, 90)` looks like.

```
.text, #text, p{  
    color:rgb(236, 139, 90)  
}
```

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, 139, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 139, 90) }
```

Border

The CSS property to change the border of an element to Yxy 37.0363, 0.4702, 0.3813 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, 139, 90) }
```

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

```
.border{ border-color:rgb(236, 139, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 139, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 139, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 139, 90);  
box-shadow:4px 4px 4px 4px rgb(236, 139,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0363, 0.4702, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 139, 90) }
```

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

```
.background{ background-color: rgb(236,  
139, 90) }
```

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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