

Converting Colors

$Y_{xy}(37.6098, 0.4526, 0.3816)$

Have a look what the booklet for
Yxy(37.6098, 0.4526, 0.3816)
contains.

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Color

Yxy(37.4864, 0.4520, 0.3809)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | E59062 |
| RGB | 229, 144, 98 |
| RGB Percent | 90%, 56%, 38% |
| CMY | 0.1021, 0.4352, 0.6157 |
| CMYK | 0.00, 0.37, 0.57, 0.10 |
| HSL | 21°, 72%, 64% |
| HSV | 21°, 57%, 90% |
| XYZ | 44.4837, 37.4864, 16.4452 |
| YIQ | 164.1710, 65.4260, 3.7140 |

Conversions

Conversions Part 2

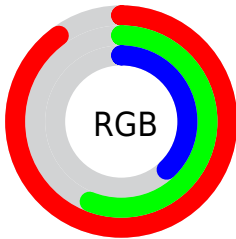
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 229, 169, 98 |
| Decimal | 15044706 |
| CIE Lab | 67.64, 27.68, 37.70 |
| CIE LCh | 68, 46.770, 53.709 |
| Yxy | 37.4864, 0.4520, 0.3809 |
| Android (android.graphics.Color) | 4293234786 (0xFFE59062) |
| YUV | 164.1710, -32.6223, 56.8550 |
| Hunter-Lab | 61.2261, 22.5431, 26.9331 |

Details

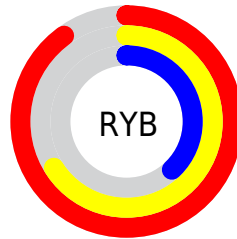
The Yxy color **37.4864, 0.4520, 0.3809** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **42.0957, 0.2277, 0.2656**, and the grayscale version is **37.3464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8502, 0.3974, 0.3791**, and **16.6050, 0.4924, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **32.9084, 0.4865, 0.3862**, and if you desaturate by 10%, it is **42.7837, 0.4196, 0.3731**.

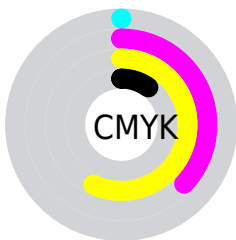
Distribution



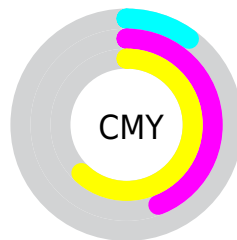
- Red (90%)
- Green (56%)
- Blue (38%)



- Red (90%)
- Yellow (66%)
- Blue (38%)



- Cyan (0%)
- Magenta (37%)
- Yellow (57%)
- Black (10%)





- Cyan (10%)
- Magenta (44%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4864, 0.4520, 0.3809 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 37.4864, 0.4520, 0.3809 by changing the saturation by 10% instead.


 37.4864, 0.4520,
0.3809


 37.4864, 0.4520,
0.3809


335.4116, 0.3803,
0.3588


 25.5843, 0.4698,
0.3846


 71.3202, 0.4258,
0.3741


 16.5129, 0.4923,
0.3882


 94.0208, 0.4160,
0.3711

 9.8878, 0.5211,
0.3905


 121.0896, 0.4077,
0.3685

 5.3246, 0.5593,
0.3898

 152.9111, 0.4006,
0.3661

 2.4390, 0.6162,
0.3838

189.8696, 0.3945,
0.3640

 0.8458, 0.6617,
0.3383

232.3496, 0.3891,

 0.0000, 1.0000,

0.3621

0.0000

280.7355, 0.3845,
0.3604

0.0000, 0.0000,
0.0000

37.4864, 0.4520,
0.3809

37.4864, 0.4520,
0.3809

32.9084, 0.4865,
0.3862

42.7837, 0.4196,
0.3731

29.0102, 0.5211,
0.3878

48.8259, 0.3905,
0.3638

25.7565, 0.5528,
0.3845

55.6440, 0.3650,
0.3541

23.1045, 0.5788,
0.3761

63.2657, 0.3431,
0.3445

22.4585, 0.5854,
0.3734

71.7169, 0.3244,
0.3353

■ 81.0226, 0.3085,
0.3267

■ 90.9938, 0.2969,
0.3219

■ 95.3930, 0.2970,
0.3290

Harmonies

Analogous

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



37.4864, 0.4368, 0.3282



37.4864, 0.4520, 0.3809



37.4864, 0.4255, 0.4291

Triad

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



37.4864, 0.4520, 0.3809



37.4864, 0.2411, 0.3839



37.4864, 0.2470, 0.2231

Complementary

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



37.4864, 0.4520, 0.3809



42.0957, 0.2277, 0.2656

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.



37.4864, 0.2056, 0.2258



37.4864, 0.4520, 0.3809



37.4864, 0.2018, 0.3103

Square

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



37.4864, 0.4520, 0.3809



37.4864, 0.3024, 0.4431



37.4864, 0.1901, 0.2542



37.4864, 0.3105, 0.2424

Rectangle

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



37.4864, 0.4520, 0.3809



37.4864, 0.3907, 0.4514



37.4864, 0.1901, 0.2542



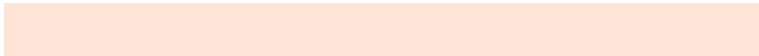
37.4864, 0.2304, 0.2214

Sweetspot

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



37.4883, 0.4520, 0.3809



80.8705, 0.3429, 0.3444



28.8121, 0.3705, 0.2360



16.8702, 0.3471, 0.3463



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.



37.4883, 0.4520, 0.3809



40.8402, 0.4942, 0.3870



63.2948, 0.4058, 0.4475



15.1923, 0.3284, 0.3373



13.0492, 0.5826, 0.3756



1.1339, 0.5545, 0.3979

Inverse Universe

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



42.0957, 0.2277, 0.2656



47.0987, 0.2136, 0.2491



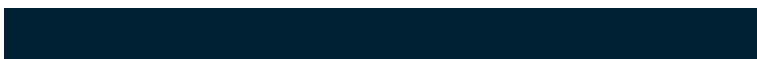
21.1249, 0.2073, 0.1710



15.4392, 0.2981, 0.3205



15.6728, 0.1917, 0.2100



1.3310, 0.1971, 0.2294

Previews

White Background



This preview shows how the Yxy color 37.4864, 0.4520, 0.3809 looks on a white background.

Color Contrast Check

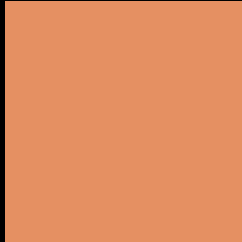
Large Text (above 18pt) WCAG AA × Fail

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 37.4864, 0.4520, 0.3809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

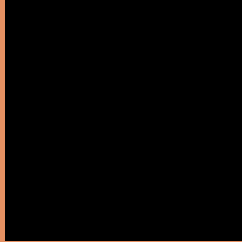
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.4864, 0.4520, 0.3809

Background



This preview shows how black text looks on a background with the Yxy color 37.4864, 0.4520, 0.3809.



This preview shows how white text looks on a background with the Yxy color 37.4864, 0.4520, 0.3809.

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

37.4864, 0.4520, 0.3809

Protanopia

37.6542, 0.3808, 0.4111

Deuteranopia

37.6975, 0.4165, 0.4091



Tritanopia

37.6387, 0.4056, 0.3178

Trichromacy



Original Color

37.4864, 0.4520, 0.3809

Protanomaly

37.0990, 0.4069, 0.3994

Deuteranomaly

37.4759, 0.4294, 0.3986

Tritanomaly

37.5237, 0.4240, 0.3408

Monochromacy



Original Color

37.4864, 0.4520, 0.3809

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.6988, 0.3604, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4864, 0.4520, 0.3809 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, 144, 98)` looks like.

```
.text, #text, p{  
    color:rgb(229, 144, 98)  
}
```

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, 144, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 144, 98) }
```

Border

The CSS property to change the border of an element to Yxy 37.4864, 0.4520, 0.3809 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, 144, 98) }
```

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

```
.border{ border-color:rgb(229, 144, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 144, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 144, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 144, 98);  
box-shadow:4px 4px 4px 4px rgb(229, 144,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4864, 0.4520, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 144, 98) }
```

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

```
.background{ background-color: rgb(229,  
144, 98) }
```

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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