

Converting Colors

$Y_{xy}(37.8313, 0.4434, 0.3676)$

Have a look what the booklet for
Yxy(37.8313, 0.4434, 0.3676)
contains.

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Color

Yxy(37.7380, 0.4437, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	E78F6D
RGB	231, 143, 109
RGB Percent	91%, 56%, 43%
CMY	0.0941, 0.4392, 0.5725
CMYK	0.00, 0.38, 0.53, 0.09
HSL	17°, 72%, 67%
HSV	17°, 53%, 91%
XYZ	45.5381, 37.7380, 19.3565
YIQ	165.4360, 63.3620, 8.0820

Conversions

Conversions Part 2

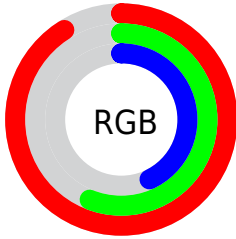
Format	Color
R _Y B	231, 156, 109
Decimal	15175533
CIE Lab	67.83, 29.92, 32.07
CIE LCh	68, 43.863, 46.987
Yxy	37.7380, 0.4437, 0.3677
Android (android.graphics.Color)	4293365613 (0xFFE78F6D)
YUV	165.4360, -27.8229, 57.4996
Hunter-Lab	61.4313, 24.8147, 24.3201

Details

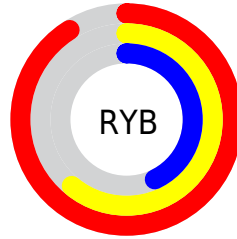
The Yxy color **37.7380, 0.4437, 0.3677** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **48.9582, 0.2359, 0.2837**, and the grayscale version is **37.9625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7657, 0.3890, 0.3668**, and **16.7619, 0.4824, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **32.6688, 0.4806, 0.3726**, and if you desaturate by 10%, it is **43.6849, 0.4102, 0.3610**.

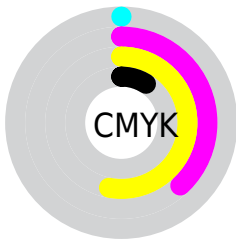
Distribution



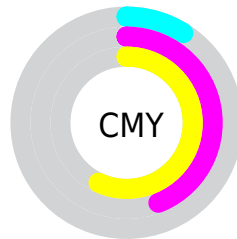
- Red (91%)
- Green (56%)
- Blue (43%)



- Red (91%)
- Yellow (61%)
- Blue (43%)



- Cyan (0%)
- Magenta (38%)
- Yellow (53%)
- Black (9%)




- Cyan (9%)
- Magenta (44%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.7380, 0.4437, 0.3677 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 37.7380, 0.4437, 0.3677 by changing the saturation by 10% instead.

 37.7380, 0.4437,
0.3677


 37.7380, 0.4437,
0.3677


336.4947, 0.3758,
0.3516

 25.7794, 0.4609,
0.3703


 71.7064, 0.4187,
0.3628

 16.6587, 0.4829,
0.3727


 94.4850, 0.4094,
0.3607

 9.9914, 0.5117,
0.3741

 121.6390, 0.4016,
0.3587

 5.3933, 0.5502,
0.3724

 153.5529, 0.3949,
0.3570

 2.4798, 0.6246,
0.3754

190.6110, 0.3891,
0.3554

 0.8665, 0.6718,
0.3282

233.1977, 0.3841,

 0.0000, 1.0000,

0.3540

0.0000

281.6975, 0.3797,
0.3527

0.0000, 0.0000,
0.0000

37.7380, 0.4437,
0.3677

37.7380, 0.4437,
0.3677

32.6688, 0.4806,
0.3726

43.6849, 0.4102,
0.3610

28.4284, 0.5189,
0.3745

50.5437, 0.3809,
0.3534

24.9715, 0.5555,
0.3724

58.3538, 0.3559,
0.3456

22.2456, 0.5862,
0.3657

67.1503, 0.3348,
0.3381

20.6968, 0.6036,
0.3589

76.9666, 0.3171,
0.3309

87.8346, 0.3023,
0.3243

95.7286, 0.2982,
0.3290

Harmonies

Analogous

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



37.7380, 0.4201, 0.3179



37.7380, 0.4437, 0.3677



37.7380, 0.4274, 0.4148

Triad

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



37.7380, 0.4437, 0.3677



37.7380, 0.2573, 0.3949



37.7380, 0.2402, 0.2276

Complementary

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



37.7380, 0.4437, 0.3677



48.9582, 0.2359, 0.2837

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.



37.7380, 0.2061, 0.2357



37.7380, 0.4437, 0.3677



37.7380, 0.2144, 0.3267

Square

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



37.7380, 0.4437, 0.3677



37.7380, 0.3179, 0.4421



37.7380, 0.1971, 0.2688



37.7380, 0.2962, 0.2415

Rectangle

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



37.7380, 0.4437, 0.3677



37.7380, 0.3986, 0.4385



37.7380, 0.1971, 0.2688



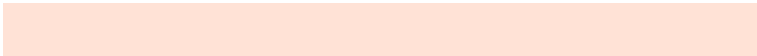
37.7380, 0.2261, 0.2277

Sweetspot

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



37.7399, 0.4437, 0.3677



80.2837, 0.3414, 0.3405



32.0285, 0.3526, 0.2320



16.6926, 0.3457, 0.3421



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.



37.7399, 0.4437, 0.3677



40.5727, 0.4826, 0.3728



60.5860, 0.4048, 0.4306



15.0184, 0.3285, 0.3356



11.7831, 0.6008, 0.3611



1.0236, 0.5721, 0.3840

Inverse Universe

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



48.9582, 0.2359, 0.2837



55.8280, 0.2239, 0.2729



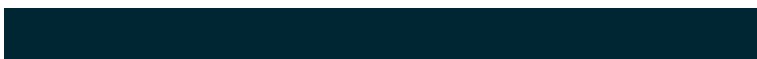
27.0496, 0.2186, 0.1988



15.6218, 0.2981, 0.3223



18.8724, 0.1989, 0.2360



1.5491, 0.2031, 0.2512

Previews

White Background



This preview shows how the Yxy color 37.7380, 0.4437, 0.3677 looks on a white background.

Color Contrast Check

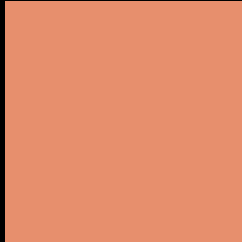
Large Text (above 18pt) WCAG AA × Fail

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 37.7380, 0.4437, 0.3677 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 37.7380, 0.4437, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 37.7380, 0.4437, 0.3677.



This preview shows how white text looks on a background with the Yxy color 37.7380, 0.4437, 0.3677.

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

37.7380, 0.4437, 0.3677

Protanopia

38.0454, 0.3676, 0.3966

Deuteranopia

37.7737, 0.4055, 0.3963



Tritanopia

37.8075, 0.4066, 0.3179

Trichromacy



Original Color

37.7380, 0.4437, 0.3677

Protanomaly

37.5618, 0.3939, 0.3858

Deuteranomaly

37.6929, 0.4190, 0.3861

Tritanomaly

37.8010, 0.4205, 0.3362

Monochromacy



Original Color

37.7380, 0.4437, 0.3677

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.9771, 0.3564, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7380, 0.4437, 0.3677 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(231, 143, 109)` looks like.

```
.text, #text, p{  
    color:rgb(231, 143, 109)  
}
```

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(231, 143, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 143, 109) }
```

Border

The CSS property to change the border of an element to Yxy 37.7380, 0.4437, 0.3677 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(231, 143, 109) }
```

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

```
.border{ border-color:rgb(231, 143, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 143, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 143, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 143, 109);  
box-shadow:4px 4px 4px 4px rgb(231, 143,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7380, 0.4437, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 143, 109) }
```

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

```
.background{ background-color: rgb(231,  
143, 109) }
```

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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