

Converting Colors

$Y_{xy}(37.8068, 0.4307, 0.3703)$

Have a look what the booklet for
Yxy(37.8068, 0.4307, 0.3703)
contains.

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Color

Yxy(37.8846, 0.4311, 0.3703)

Conversions

Conversions Part 1	
Format	Color
Hex	E09370
RGB	224, 147, 112
RGB Percent	88%, 58%, 44%
CMY	0.1215, 0.4236, 0.5608
CMYK	0.00, 0.34, 0.50, 0.12
HSL	19°, 64%, 66%
HSV	19°, 50%, 88%
XYZ	44.1049, 37.8846, 20.3183
YIQ	166.0330, 57.1270, 5.4390

Conversions

Conversions Part 2

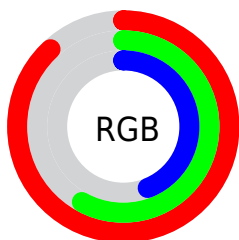
Format	Color
RYB	224, 163, 112
Decimal	14717808
CIELab	67.94, 25.31, 30.43
CIELCh	68, 39.575, 50.250
Yxy	37.8846, 0.4311, 0.3703
Android (android.graphics.Color)	4292907888 (0xFFE09370)
YUV	166.0330, -26.6383, 50.8371
Hunter-Lab	61.5505, 20.1936, 23.5132

Details

The Yxy color **37.8846, 0.4311, 0.3703** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **45.2400, 0.2384, 0.2813**, and the grayscale version is **38.2618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7136, 0.3851, 0.3677**, and **16.8429, 0.4663, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **32.9736, 0.4657, 0.3766**, and if you desaturate by 10%, it is **43.5652, 0.3999, 0.3624**.

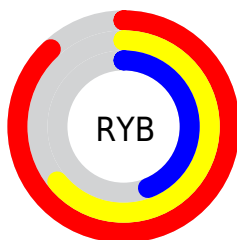
Distribution



Red (88%)

Green (58%)

Blue (44%)



Red (88%)

Yellow (64%)

Blue (44%)

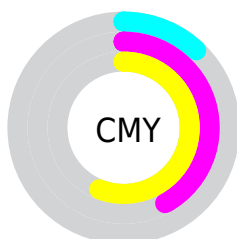


Cyan (0%)

Magenta (34%)

Yellow (50%)

Black (12%)



Cyan (12%)


Magenta (42%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8846, 0.4311, 0.3703 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 37.8846, 0.4311, 0.3703 by changing the saturation by 10% instead.


 37.8846, 0.4311,
0.3703


 37.8846, 0.4311,
0.3703


337.1247, 0.3697,
0.3521


 25.8931, 0.4467,
0.3737


 71.9312, 0.4085,
0.3645


 16.7437, 0.4668,
0.3773


 94.7552, 0.4001,
0.3620

 10.0519, 0.4932,
0.3806


 121.9587, 0.3930,
0.3599

 5.4334, 0.5289,
0.3820

 153.9263, 0.3870,
0.3580

 2.5037, 0.6021,
0.3925

191.0423, 0.3818,
0.3563

 0.8785, 0.6473,
0.3527


233.6911, 0.3772,

 0.0000, 1.0000,


0.3547


0.0000

282.2571, 0.3732,
0.3534

 0.0000, 0.0000,
0.0000


 37.8846, 0.4311,
0.3703


 37.8846, 0.4311,
0.3703

 32.9736, 0.4657,
0.3766


 43.5652, 0.3999,
0.3624

 28.7917, 0.5023,
0.3802


 50.0420, 0.3726,
0.3538

 25.3032, 0.5382,
0.3799


 57.3472, 0.3492,
0.3452


 22.4663, 0.5700,
0.3747


 65.5096, 0.3294,
0.3368

 20.2279, 0.5952,
0.3656

 74.5565, 0.3127,
0.3290

 84.5138, 0.2986,
0.3218

 94.4839, 0.2941,
0.3288

 94.5913, 0.2941,
0.3289

Harmonies

Analogous

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



37.8846, 0.4134, 0.3244



37.8846, 0.4311, 0.3703



37.8846, 0.4135, 0.4117

Triad

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



37.8846, 0.4311, 0.3703



37.8846, 0.2577, 0.3818



37.8846, 0.2516, 0.2368

Complementary

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



37.8846, 0.4311, 0.3703



45.2400, 0.2384, 0.2813

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.



37.8846, 0.2178, 0.2423



37.8846, 0.4311, 0.3703



37.8846, 0.2205, 0.3210

Square

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



37.8846, 0.4311, 0.3703



37.8846, 0.3118, 0.4270



37.8846, 0.2070, 0.2707



37.8846, 0.3045, 0.2515

Rectangle

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



37.8846, 0.4311, 0.3703



37.8846, 0.3860, 0.4308



37.8846, 0.2070, 0.2707



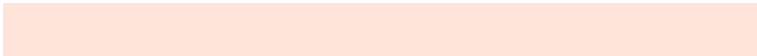
37.8846, 0.2379, 0.2363

Sweetspot

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



37.8865, 0.4311, 0.3703



82.1276, 0.3391, 0.3410



31.1770, 0.3540, 0.2405



17.0874, 0.3434, 0.3428



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.



37.8865, 0.4311, 0.3703



43.9639, 0.4673, 0.3769



59.0849, 0.3974, 0.4293



14.3955, 0.3284, 0.3364



11.9523, 0.5925, 0.3677



0.9848, 0.5622, 0.3918

Inverse Universe

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



45.2400, 0.2384, 0.2813



54.7740, 0.2256, 0.2693



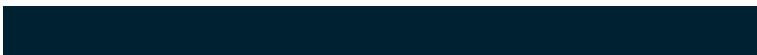
25.9919, 0.2231, 0.2019



14.8123, 0.2982, 0.3215



16.8063, 0.1956, 0.2241



1.3226, 0.2006, 0.2422

Previews

White Background



This preview shows how the Yxy color 37.8846, 0.4311, 0.3703 looks on a white background.

Color Contrast Check

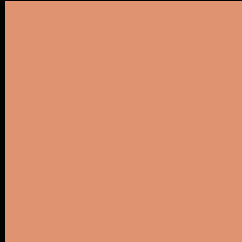
Large Text (above 18pt) WCAG AA × Fail

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 37.8846, 0.4311, 0.3703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

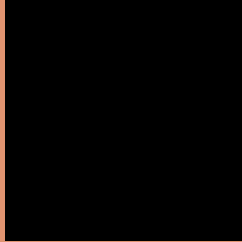
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8846, 0.4311, 0.3703

Background



This preview shows how black text looks on a background with the Yxy color 37.8846, 0.4311, 0.3703.



This preview shows how white text looks on a background with the Yxy color 37.8846, 0.4311, 0.3703.

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

37.8846, 0.4311, 0.3703

Protanopia

38.2122, 0.3668, 0.3935

Deuteranopia

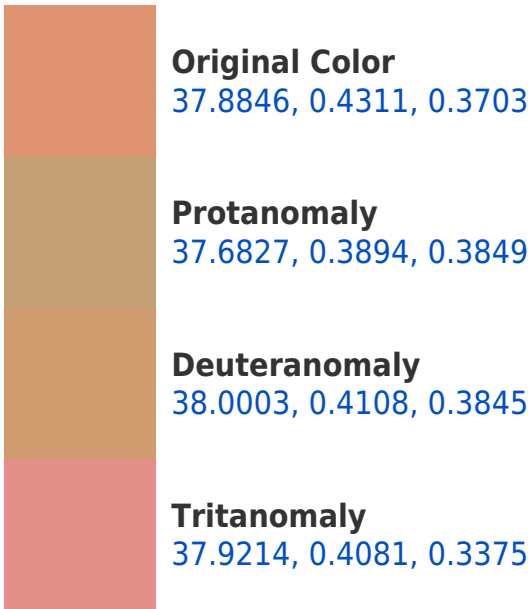
38.0642, 0.4001, 0.3929



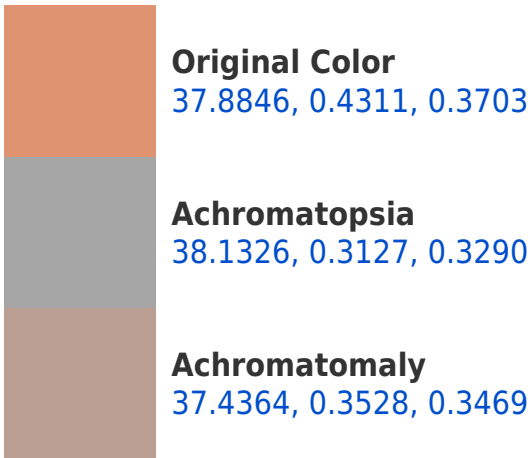
Tritanopia

37.9439, 0.3934, 0.3175

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8846, 0.4311, 0.3703 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(224, 147, 112) looks like.

```
.text, #text, p{  
    color:rgb(224, 147, 112)  
}
```

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(224, 147, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 147, 112) }
```

Border

The CSS property to change the border of an element to Yxy 37.8846, 0.4311, 0.3703 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(224, 147, 112) }
```

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

```
.border{ border-color:rgb(224, 147, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 147, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 147, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 147, 112);  
box-shadow:4px 4px 4px 4px rgb(224, 147,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8846, 0.4311, 0.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 147, 112) }
```

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

```
.background{ background-color: rgb(224,  
147, 112) }
```

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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