

Converting Colors

$Y_{xy}(36.7426, 0.4624, 0.3747)$

Have a look what the booklet for
Yxy(36.7426, 0.4624, 0.3747)
contains.

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Color

Yxy(36.8207, 0.4617, 0.3751)

Conversions

Conversions Part 1

Format	Color
Hex	EA8B61
RGB	234, 139, 97
RGB Percent	92%, 55%, 38%
CMY	0.0823, 0.4549, 0.6197
CMYK	0.00, 0.41, 0.59, 0.08
HSL	18°, 77%, 65%
HSV	18°, 59%, 92%
XYZ	45.3216, 36.8207, 16.0201
YIQ	162.6170, 70.1020, 7.0780

Conversions

Conversions Part 2

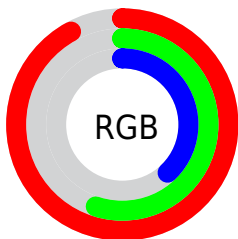
Format	Color
RYB	234, 158, 97
Decimal	15371105
CIELab	67.14, 32.25, 37.76
CIElCh	67, 49.662, 49.502
Yxy	36.8207, 0.4617, 0.3751
Android (android.graphics.Color)	4293561185 (0xFFEA8B61)
YUV	162.6170, -32.3492, 62.6029
Hunter-Lab	60.6801, 27.1304, 26.8229

Details

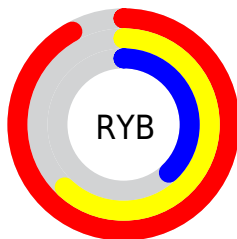
The Yxy color **36.8207, 0.4617, 0.3751** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **46.1649, 0.2278, 0.2724**, and the grayscale version is **36.5665, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5380, 0.4012, 0.3761**, and **16.1999, 0.5047, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **32.0941, 0.4985, 0.3790**, and if you desaturate by 10%, it is **42.3769, 0.4271, 0.3686**.

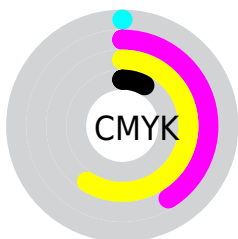
Distribution



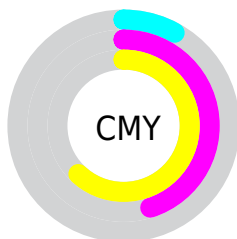
- Red (92%)
- Green (55%)
- Blue (38%)



- Red (92%)
- Yellow (62%)
- Blue (38%)



- Cyan (0%)
- Magenta (41%)
- Yellow (59%)
- Black (8%)





- Cyan (8%)
- Magenta (45%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8207, 0.4617, 0.3751 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 36.8207, 0.4617, 0.3751 by changing the saturation by 10% instead.


 36.8207, 0.4617,
0.3751

 36.8207, 0.4617,
0.3751


332.5336, 0.3847,
0.3565


 25.0687, 0.4809,
0.3777


 70.2969, 0.4336,
0.3697

 16.1282, 0.5051,
0.3797


 92.7900, 0.4230,
0.3673

 9.6149, 0.5361,
0.3799


 119.6321, 0.4141,
0.3650

 5.1444, 0.5777,
0.3762

 151.2078, 0.4065,
0.3630

 2.3322, 0.6364,
0.3636

187.9014, 0.3999,
0.3611

 0.7907, 0.6887,
0.3113

230.0973, 0.3942,

 0.0000, 1.0000,

0.3595

0.0000

278.1799, 0.3892,
0.3579

0.0000, 0.0000,
0.0000

36.8207, 0.4617,
0.3751

36.8207, 0.4617,
0.3751

32.0941, 0.4985,
0.3790

42.3769, 0.4271,
0.3686

28.1491, 0.5350,
0.3791

48.7959, 0.3962,
0.3607

24.9409, 0.5678,
0.3745

56.1160, 0.3693,
0.3522

22.4137, 0.5937,
0.3655

64.3712, 0.3463,
0.3437

22.0996, 0.5971,
0.3641

73.5941, 0.3269,
0.3356

■ 83.8151, 0.3105,
0.3279

■ 94.6862, 0.2999,
0.3266

■ 96.2329, 0.2999,
0.3290

Harmonies

Analogous

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



36.8207, 0.4393, 0.3198



36.8207, 0.4617, 0.3751



36.8207, 0.4384, 0.4280

Triad

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



36.8207, 0.4617, 0.3751



36.8207, 0.2442, 0.3987



36.8207, 0.2351, 0.2160

Complementary

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



36.8207, 0.4617, 0.3751



46.1649, 0.2278, 0.2724

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.



36.8207, 0.1954, 0.2220



36.8207, 0.4617, 0.3751



36.8207, 0.1991, 0.3188

Square

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



36.8207, 0.4617, 0.3751



36.8207, 0.3111, 0.4572



36.8207, 0.1831, 0.2556



36.8207, 0.2996, 0.2334

Rectangle

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



36.8207, 0.4617, 0.3751



36.8207, 0.4035, 0.4551



36.8207, 0.1831, 0.2556



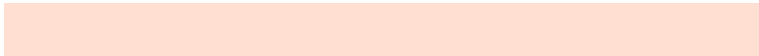
36.8207, 0.2189, 0.2152

Sweetspot

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



36.8226, 0.4617, 0.3751



78.7402, 0.3453, 0.3433



29.8823, 0.3641, 0.2275



16.1967, 0.3516, 0.3458



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.



36.8226, 0.4617, 0.3751



38.0905, 0.5050, 0.3793



62.7856, 0.4122, 0.4439



15.8076, 0.3285, 0.3363



12.6137, 0.5942, 0.3664



1.1552, 0.5671, 0.3879

Inverse Universe

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



46.1649, 0.2278, 0.2724



50.1982, 0.2153, 0.2587



22.9904, 0.2065, 0.1757



16.2967, 0.2981, 0.3216



18.1351, 0.1961, 0.2259



1.5929, 0.2005, 0.2419

Previews

White Background



This preview shows how the Yxy color 36.8207, 0.4617, 0.3751 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 36.8207, 0.4617, 0.3751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

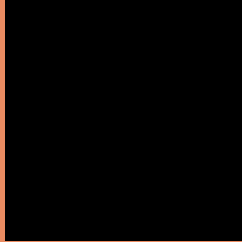
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8207, 0.4617, 0.3751

Background



This preview shows how black text looks on a background with the Yxy color 36.8207, 0.4617, 0.3751.



This preview shows how white text looks on a background with the Yxy color 36.8207, 0.4617, 0.3751.

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

36.8207, 0.4617, 0.3751

Protanopia

37.0565, 0.3792, 0.4105

Deuteranopia

36.8466, 0.4187, 0.4094



Tritanopia

36.7628, 0.4177, 0.3181

Trichromacy



Original Color

36.8207, 0.4617, 0.3751

Protanomaly

36.4277, 0.4082, 0.3969

Deuteranomaly

36.6179, 0.4345, 0.3970

Tritanomaly

36.6672, 0.4353, 0.3394

Monochromacy



Original Color

36.8207, 0.4617, 0.3751

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.7941, 0.3634, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8207, 0.4617, 0.3751 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, 139, 97)` looks like.

```
.text, #text, p{  
    color:rgb(234, 139, 97)  
}
```

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, 139, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 139, 97) }
```

Border

The CSS property to change the border of an element to Yxy 36.8207, 0.4617, 0.3751 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, 139, 97) }
```

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

```
.border{ border-color:rgb(234, 139, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 139, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 139, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 139, 97);  
box-shadow:4px 4px 4px 4px rgb(234, 139,  
97) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 36.8207, 0.4617, 0.3751$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 139, 97) }
```

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

```
.background{ background-color: rgb(234,  
139, 97) }
```

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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