

Converting Colors

$Y_{xy}(37.8137, 0.4589, 0.3787)$

Have a look what the booklet for
Yxy(37.8137, 0.4589, 0.3787)
contains.

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Color

Yxy(37.7015, 0.4593, 0.3784)

Conversions

Conversions Part 1

Format	Color
Hex	EA8E61
RGB	234, 142, 97
RGB Percent	92%, 56%, 38%
CMY	0.0824, 0.4431, 0.6197
CMYK	0.00, 0.39, 0.59, 0.08
HSL	20°, 77%, 65%
HSV	20°, 59%, 92%
XYZ	45.7619, 37.7015, 16.1706
YIQ	164.3780, 69.2770, 5.5090

Conversions

Conversions Part 2

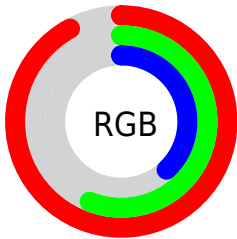
Format	Color
R_{YB}	234, 164, 97
Decimal	15371873
CIE _{Lab}	67.80, 30.68, 38.57
CIE _{LCh}	68, 49.282, 51.501
Yxy	37.7015, 0.4593, 0.3784
Android (android.graphics.Color)	4293561953 (0xFFEA8E61)
YUV	164.3780, -33.2174, 61.0585
Hunter-Lab	61.4015, 25.5814, 27.3666

Details

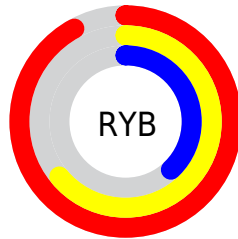
The Yxy color **37.7015, 0.4593, 0.3784** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.8670, 0.2269, 0.2681**, and the grayscale version is **37.4513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8780, 0.3999, 0.3791**, and **16.7026, 0.5008, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **32.9789, 0.4951, 0.3828**, and if you desaturate by 10%, it is **43.2156, 0.4256, 0.3714**.

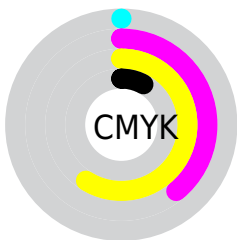
Distribution



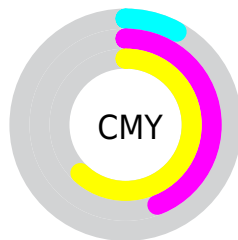
- Red (92%)
- Green (56%)
- Blue (38%)



- Red (92%)
- Yellow (64%)
- Blue (38%)



- Cyan (0%)
- Magenta (39%)
- Yellow (59%)
- Black (8%)





- Cyan (8%)
- Magenta (44%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7015, 0.4593, 0.3784 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 37.7015, 0.4593, 0.3784 by changing the saturation by 10% instead.


 37.7015, 0.4593,
0.3784


 37.7015, 0.4593,
0.3784


336.3377, 0.3839,
0.3581

 25.7511, 0.4779,
0.3815


 71.6504, 0.4319,
0.3724

 16.6375, 0.5014,
0.3841


 94.4177, 0.4215,
0.3697

 9.9764, 0.5313,
0.3851


 121.5593, 0.4128,
0.3673

 5.3833, 0.5711,
0.3824

 153.4598, 0.4053,
0.3651

 2.4739, 0.6277,
0.3723

190.5035, 0.3989,
0.3631

 0.8635, 0.6757,
0.3243

233.0748, 0.3933,

 0.0000, 1.0000,

0.3613

0.0000

281.5581, 0.3883,
0.3596

0.0000, 0.0000,
0.0000

37.7015, 0.4593,
0.3784

37.7015, 0.4593,
0.3784

32.9789, 0.4951,
0.3828

43.2156, 0.4256,
0.3714

29.0029, 0.5306,
0.3833

49.5516, 0.3953,
0.3629

25.7324, 0.5626,
0.3789

56.7449, 0.3688,
0.3538

23.1154, 0.5882,
0.3699

64.8273, 0.3461,
0.3447

22.7848, 0.5916,
0.3685

73.8288, 0.3268,
0.3360

■ 83.7778, 0.3105,
0.3279

■ 94.3233, 0.2999,
0.3260

■ 96.2324, 0.2999,
0.3290

Harmonies

Analogous

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



37.7015, 0.4403, 0.3237



37.7015, 0.4593, 0.3784



37.7015, 0.4339, 0.4299

Triad

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



37.7015, 0.4593, 0.3784



37.7015, 0.2415, 0.3925



37.7015, 0.2397, 0.2179

Complementary

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



37.7015, 0.4593, 0.3784



44.8670, 0.2269, 0.2681

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.



37.7015, 0.1988, 0.2223



37.7015, 0.4593, 0.3784



37.7015, 0.1987, 0.3142

Square

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



37.7015, 0.4593, 0.3784



37.7015, 0.3066, 0.4526



37.7015, 0.1847, 0.2536



37.7015, 0.3047, 0.2365

Rectangle

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



37.7015, 0.4593, 0.3784



37.7015, 0.3984, 0.4553



37.7015, 0.1847, 0.2536



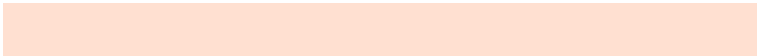
37.7015, 0.2232, 0.2166

Sweetspot

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



37.7034, 0.4593, 0.3784



79.2778, 0.3451, 0.3443



29.7837, 0.3669, 0.2297



16.3264, 0.3514, 0.3469



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.



37.7034, 0.4593, 0.3784



39.1596, 0.5015, 0.3832



63.8976, 0.4108, 0.4459



15.8625, 0.3285, 0.3368



13.0085, 0.5887, 0.3707



1.1915, 0.5618, 0.3921

Inverse Universe

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



44.8670, 0.2269, 0.2681



48.4134, 0.2140, 0.2533



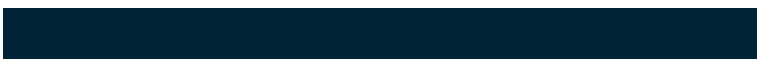
22.4260, 0.2059, 0.1726



16.2393, 0.2981, 0.3211



17.1492, 0.1939, 0.2180



1.5211, 0.1987, 0.2352

Previews

White Background



This preview shows how the Yxy color 37.7015, 0.4593, 0.3784 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 37.7015, 0.4593, 0.3784 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 37.7015, 0.4593, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 37.7015, 0.4593, 0.3784.



This preview shows how white text looks on a background with the Yxy color 37.7015, 0.4593, 0.3784.

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

37.7015, 0.4593, 0.3784

Protanopia

38.0163, 0.3803, 0.4123

Deuteranopia

37.8184, 0.4184, 0.4098



Tritanopia

37.6882, 0.4128, 0.3181

Trichromacy



Original Color

37.7015, 0.4593, 0.3784

Protanomaly

37.3726, 0.4089, 0.3988

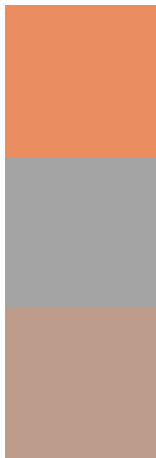
Deuteranomaly

37.5788, 0.4340, 0.3976

Tritanomaly

37.5683, 0.4313, 0.3406

Monochromacy



Original Color

37.7015, 0.4593, 0.3784

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.4892, 0.3617, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7015, 0.4593, 0.3784 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, 142, 97)` looks like.

```
.text, #text, p{  
    color:rgb(234, 142, 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, 142, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 142, 97) }
```

Border

The CSS property to change the border of an element to Yxy 37.7015, 0.4593, 0.3784 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, 142, 97) }
```

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

```
.border{ border-color:rgb(234, 142, 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, 142, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 142, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 142, 97);  
box-shadow:4px 4px 4px 4px rgb(234, 142,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7015, 0.4593, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 142, 97) }
```

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

```
.background{ background-color: rgb(234,  
142, 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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