

Converting Colors

$Y_{xy}(46.7858, 0.4144, 0.3743)$

Have a look what the booklet for
Yxy(46.7858, 0.4144, 0.3743)
contains.

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Color

Yxy(46.8319, 0.4149, 0.3743)

Conversions

Conversions Part 1

Format	Color
Hex	EBA77F
RGB	235, 167, 127
RGB Percent	92%, 65%, 50%
CMY	0.0784, 0.3451, 0.5020
CMYK	0.00, 0.29, 0.46, 0.08
HSL	22°, 73%, 71%
HSV	22°, 46%, 92%
XYZ	51.9117, 46.8319, 26.3750
YIQ	182.7720, 53.3680, 1.9760

Conversions

Conversions Part 2

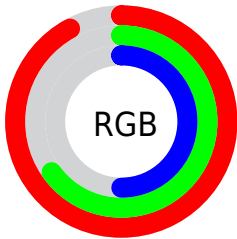
Format	Color
R_{YB}	235, 191, 127
Decimal	15443839
CIE _{Lab}	74.08, 20.42, 30.64
CIE _{LCh}	74, 36.823, 56.316
Yxy	46.8319, 0.4149, 0.3743
Android (android.graphics.Color)	4293633919 (0xFFEBA77F)
YUV	182.7720, -27.4956, 45.8040
Hunter-Lab	68.4338, 15.6452, 25.0528

Details

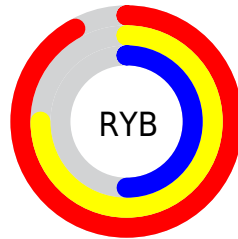
The Yxy color **46.8319, 0.4149, 0.3743** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **49.5337, 0.2421, 0.2772**, and the grayscale version is **47.3547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7978, 0.3662, 0.3721**, and **22.1444, 0.4438, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **41.1770, 0.4463, 0.3829**, and if you desaturate by 10%, it is **53.2544, 0.3867, 0.3645**.

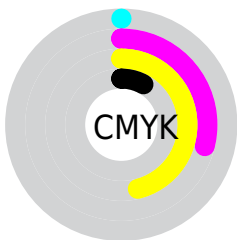
Distribution



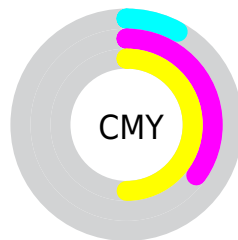
- Red (92%)
- Green (65%)
- Blue (50%)



- Red (92%)
- Yellow (75%)
- Blue (50%)



- Cyan (0%)
- Magenta (29%)
- Yellow (46%)
- Black (8%)





- Cyan (8%)
- Magenta (35%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8319, 0.4149, 0.3743 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 46.8319, 0.4149, 0.3743 by changing the saturation by 10% instead.


 46.8319, 0.4149,
0.3743


 46.8319, 0.4149,
0.3743


374.1431, 0.3637,
0.3540


 32.9028, 0.4274,
0.3785


 85.4626, 0.3964,
0.3676

 22.0520, 0.4432,
0.3832


 110.9331, 0.3895,
0.3648

 13.8951, 0.4637,
0.3885


 141.0194, 0.3835,
0.3625

 8.0477, 0.4910,
0.3939

176.1060, 0.3785,
0.3604

 4.1255, 0.5288,
0.3979

216.5773, 0.3740,
0.3585

 1.7440, 0.5958,
0.4042

262.8176, 0.3702,

 0.4519, 0.6732,

0.3568

0.3268

315.2115, 0.3668,
0.3554

0.0000, 0.0000,
0.0000

46.8319, 0.4149,
0.3743

46.8319, 0.4149,
0.3743

41.1770, 0.4463,
0.3829

53.2544, 0.3867,
0.3645

36.2521, 0.4798,
0.3890

60.4665, 0.3619,
0.3542

32.0259, 0.5136,
0.3914

68.4979, 0.3406,
0.3441

28.4619, 0.5450,
0.3890

77.3743, 0.3223,
0.3345

25.5188, 0.5712,
0.3812

87.1207, 0.3067,
0.3254

■ 24.4909, 0.5805,
0.3773

■ 96.4038, 0.3005,
0.3290

Harmonies

Analogous

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



46.8319, 0.4054, 0.3340



46.8319, 0.4149, 0.3743



46.8319, 0.3947, 0.4078

Triad

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



46.8319, 0.4149, 0.3743



46.8319, 0.2569, 0.3643



46.8319, 0.2678, 0.2490

Complementary

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



46.8319, 0.4149, 0.3743



49.5337, 0.2421, 0.2772

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.



46.8319, 0.2338, 0.2505



46.8319, 0.4149, 0.3743



46.8319, 0.2277, 0.3127

Square

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



46.8319, 0.4149, 0.3743



46.8319, 0.3024, 0.4072



46.8319, 0.2198, 0.2720



46.8319, 0.3165, 0.2652

Rectangle

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



46.8319, 0.4149, 0.3743



46.8319, 0.3685, 0.4205



46.8319, 0.2198, 0.2720



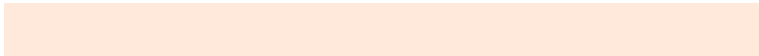
46.8319, 0.2544, 0.2474

Sweetspot

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



46.8342, 0.4149, 0.3743



84.4002, 0.3369, 0.3422



36.7958, 0.3574, 0.2541



17.5895, 0.3411, 0.3444



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.



46.8342, 0.4149, 0.3743



50.0232, 0.4439, 0.3823



70.7005, 0.3872, 0.4287



15.9681, 0.3284, 0.3378



13.8531, 0.5776, 0.3796



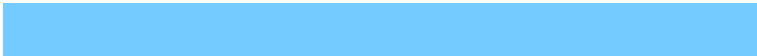
1.2665, 0.5515, 0.4003

Inverse Universe

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



49.5337, 0.2421, 0.2772



53.5788, 0.2294, 0.2645



29.6726, 0.2289, 0.2038



16.1294, 0.2981, 0.3201



15.3672, 0.1897, 0.2031



1.3897, 0.1951, 0.2224

Previews

White Background



This preview shows how the Yxy color 46.8319, 0.4149, 0.3743 looks on a white background.

Color Contrast Check

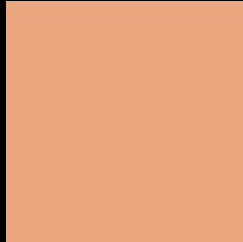
Large Text (above 18pt) WCAG AA × Fail

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 46.8319, 0.4149, 0.3743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

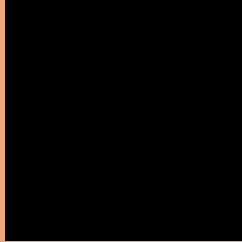
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8319, 0.4149, 0.3743

Background



This preview shows how black text looks on a background with the Yxy color 46.8319, 0.4149, 0.3743.



This preview shows how white text looks on a background with the Yxy color 46.8319, 0.4149, 0.3743.

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

46.8319, 0.4149, 0.3743

Protanopia

46.9129, 0.3649, 0.3909

Deuteranopia

47.0460, 0.3964, 0.3890



Tritanopia

46.8576, 0.3766, 0.3158

Trichromacy



Original Color

46.8319, 0.4149, 0.3743

Protanomaly

46.7846, 0.3827, 0.3859

Deuteranomaly

46.8587, 0.4028, 0.3831

Tritanomaly

46.7718, 0.3918, 0.3371

Monochromacy



Original Color

46.8319, 0.4149, 0.3743

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.6452, 0.3471, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8319, 0.4149, 0.3743 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(235, 167, 127)` looks like.

```
.text, #text, p{  
    color:rgb(235, 167, 127)  
}
```

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(235, 167, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 167, 127) }
```

Border

The CSS property to change the border of an element to Yxy 46.8319, 0.4149, 0.3743 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(235, 167, 127) }
```

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

```
.border{ border-color:rgb(235, 167, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 167, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 167, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 167, 127);  
box-shadow:4px 4px 4px 4px rgb(235, 167,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8319, 0.4149, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 167, 127) }
```

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

```
.background{ background-color: rgb(235,  
167, 127) }
```

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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