

Converting Colors

$Y_{xy}(47.1018, 0.4124, 0.3812)$

Have a look what the booklet for
Yxy(47.1018, 0.4124, 0.3812)
contains.

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Color

Yxy(47.1936, 0.4122, 0.3817)

Conversions

Conversions Part 1

Format	Color
Hex	E7AA7C
RGB	231, 170, 124
RGB Percent	91%, 67%, 49%
CMY	0.0941, 0.3333, 0.5138
CMYK	0.00, 0.26, 0.46, 0.09
HSL	26°, 69%, 70%
HSV	26°, 46%, 91%
XYZ	50.9646, 47.1936, 25.4823
YIQ	182.9950, 51.1220, -1.3740

Conversions

Conversions Part 2

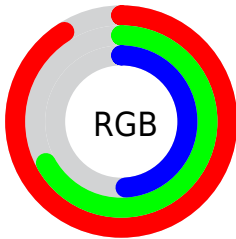
Format	Color
R _Y B	231, 205, 124
Decimal	15182460
CIE Lab	74.31, 16.92, 32.46
CIE LCh	74, 36.609, 62.464
Yxy	47.1936, 0.4122, 0.3817
Android (android.graphics.Color)	4293372540 (0xFFE7AA7C)
YUV	182.9950, -29.0845, 42.1004
Hunter-Lab	68.6976, 12.2029, 26.0956

Details

The Yxy color **47.1936, 0.4122, 0.3817** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **44.7309, 0.2401, 0.2680**, and the grayscale version is **47.4925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2848, 0.3675, 0.3780**, and **22.3355, 0.4395, 0.3935** is the 20% darker color. If you saturate the color by 10%, you get **41.9876, 0.4415, 0.3917**, and if you desaturate by 10%, it is **53.0351, 0.3855, 0.3704**.

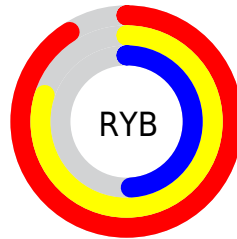
Distribution



Red (91%)

Green (67%)

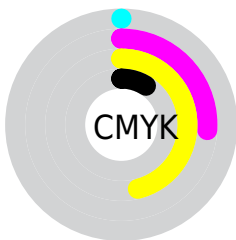
Blue (49%)



Red (91%)

Yellow (80%)

Blue (49%)

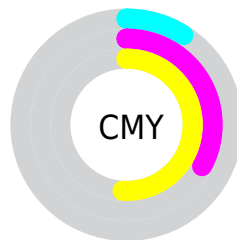


Cyan (0%)

Magenta (26%)

Yellow (46%)

Black (9%)



Cyan (9%)


Magenta (33%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.1936, 0.4122, 0.3817 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 47.1936, 0.4122, 0.3817 by changing the saturation by 10% instead.


 47.1936, 0.4122,
0.3817

 47.1936, 0.4122,
0.3817


375.5868, 0.3626,
0.3576

 33.1887, 0.4242,
0.3868


 86.0025, 0.3944,
0.3736

 22.2711, 0.4394,
0.3927


 111.5754, 0.3876,
0.3704

 14.0562, 0.4589,
0.3996


 141.7730, 0.3819,
0.3675

 8.1598, 0.4845,
0.4069

176.9798, 0.3769,
0.3651

 4.1974, 0.5204,
0.4143

217.5802, 0.3727,
0.3629

 1.7846, 0.5780,
0.4220

263.9586, 0.3689,

 0.4775, 0.6449,

0.3609

0.3551

316.4993, 0.3656,
0.3592

0.0000, 0.0000,
0.0000

47.1936, 0.4122,
0.3817

47.1936, 0.4122,
0.3817

41.9876, 0.4415,
0.3917

53.0351, 0.3855,
0.3704

37.3862, 0.4723,
0.3991

59.5280, 0.3617,
0.3586

33.3655, 0.5030,
0.4026

66.6957, 0.3409,
0.3469

29.8968, 0.5315,
0.4012

74.5587, 0.3228,
0.3357

26.9472, 0.5554,
0.3942

83.1362, 0.3073,
0.3252

■ 25.9816, 0.5634,
0.3909

■ 91.9497, 0.2981,
0.3230

■ 95.7277, 0.2982,
0.3290

Harmonies

Analogous

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



47.1936, 0.4091, 0.3423



47.1936, 0.4122, 0.3817



47.1936, 0.3869, 0.4121

Triad

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



47.1936, 0.4122, 0.3817



47.1936, 0.2499, 0.3535



47.1936, 0.2771, 0.2515

Complementary

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



47.1936, 0.4122, 0.3817



44.7309, 0.2401, 0.2680

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.



47.1936, 0.2398, 0.2492



47.1936, 0.4122, 0.3817



47.1936, 0.2250, 0.3033

Square

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



47.1936, 0.4122, 0.3817



47.1936, 0.2924, 0.3995



47.1936, 0.2216, 0.2664



47.1936, 0.3273, 0.2708

Rectangle

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



47.1936, 0.4122, 0.3817



47.1936, 0.3588, 0.4213



47.1936, 0.2216, 0.2664



47.1936, 0.2628, 0.2487

Sweetspot

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



47.1959, 0.4122, 0.3817



85.6111, 0.3366, 0.3443



34.9584, 0.3638, 0.2592



17.8830, 0.3407, 0.3468



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.



47.1959, 0.4122, 0.3817



52.5639, 0.4414, 0.3916



70.7243, 0.3852, 0.4343



15.3825, 0.3282, 0.3392



14.8024, 0.5606, 0.3930



1.2753, 0.5351, 0.4133

Inverse Universe

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



44.7309, 0.2401, 0.2680



49.0701, 0.2257, 0.2519



26.7974, 0.2270, 0.1956



15.2436, 0.2981, 0.3186



12.6807, 0.1839, 0.1821



1.1207, 0.1904, 0.2055

Previews

White Background



This preview shows how the Yxy color 47.1936, 0.4122, 0.3817 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 47.1936, 0.4122, 0.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

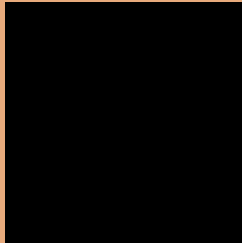
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1936, 0.4122, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 47.1936, 0.4122, 0.3817.



This preview shows how white text looks on a background with the Yxy color 47.1936, 0.4122, 0.3817.

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

47.1936, 0.4122, 0.3817

Protanopia

47.3223, 0.3696, 0.3982

Deuteranopia

47.1501, 0.3991, 0.3911



Tritanopia

47.1618, 0.3703, 0.3145

Trichromacy



Original Color

47.1936, 0.4122, 0.3817

Protanomaly

46.9284, 0.3847, 0.3921

Deuteranomaly

47.0052, 0.4039, 0.3879

Tritanomaly

47.1992, 0.3859, 0.3395

Monochromacy



Original Color

47.1936, 0.4122, 0.3817

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

46.7288, 0.3459, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1936, 0.4122, 0.3817 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, 170, 124)` looks like.

```
.text, #text, p{  
    color:rgb(231, 170, 124)  
}
```

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, 170, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 170, 124) }
```

Border

The CSS property to change the border of an element to Yxy 47.1936, 0.4122, 0.3817 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, 170, 124) }
```

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

```
.border{ border-color:rgb(231, 170, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 170, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 170, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 170, 124);  
box-shadow:4px 4px 4px 4px rgb(231, 170,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1936, 0.4122, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 170, 124) }
```

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

```
.background{ background-color: rgb(231,  
170, 124) }
```

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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