

Converting Colors

$Y_{xy}(46.7039, 0.3910, 0.3620)$

Have a look what the booklet for
Yxy(46.7039, 0.3910, 0.3620)
contains.

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Color

Yxy(46.8712, 0.3910, 0.3620)

Conversions

Conversions Part 1

Format	Color
Hex	E2AA8E
RGB	226, 170, 142
RGB Percent	89%, 67%, 56%
CMY	0.1137, 0.3333, 0.4430
CMYK	0.00, 0.25, 0.37, 0.11
HSL	20°, 59%, 72%
HSV	20°, 37%, 89%
XYZ	50.6261, 46.8712, 31.9812
YIQ	183.5520, 42.3640, 3.1640

Conversions

Conversions Part 2

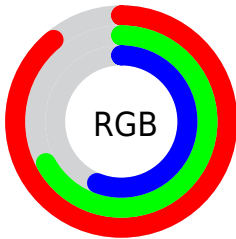
Format	Color
R _Y B	226, 184, 142
Decimal	14854798
CIE Lab	74.11, 16.91, 22.41
CIE LCh	74, 28.076, 52.962
Yxy	46.8712, 0.3910, 0.3620
Android (android.graphics.Color)	4293044878 (0xFFE2AA8E)
YUV	183.5520, -20.4851, 37.2269
Hunter-Lab	68.4625, 12.1861, 20.2274

Details

The Yxy color **46.8712, 0.3910, 0.3620** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **51.6542, 0.2558, 0.2930**, and the grayscale version is **47.7730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0959, 0.3542, 0.3586**, and **22.1646, 0.4126, 0.3692** is the 20% darker color. If you saturate the color by 10%, you get **40.9302, 0.4206, 0.3707**, and if you desaturate by 10%, it is **53.6024, 0.3652, 0.3528**.

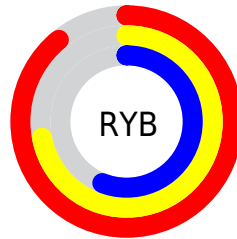
Distribution



Red (89%)

Green (67%)

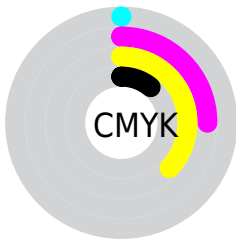
Blue (56%)



Red (89%)

Yellow (72%)

Blue (56%)

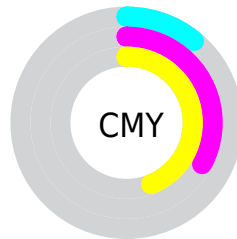


Cyan (0%)

Magenta (25%)

Yellow (37%)

Black (11%)



Cyan (11%)

Magenta (33%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.8712, 0.3910, 0.3620 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 46.8712, 0.3910, 0.3620 by changing the saturation by 10% instead.


 46.8712, 0.3910,
0.3620

 46.8712, 0.3910,
0.3620


374.3002, 0.3516,
0.3468

 32.9338, 0.4008,
0.3653


 85.5213, 0.3767,
0.3568

 22.0758, 0.4133,
0.3693


 111.0029, 0.3713,
0.3548

 13.9126, 0.4298,
0.3741


141.1013, 0.3668,
0.3530

 8.0599, 0.4524,
0.3797

176.2010, 0.3629,
0.3514

 4.1333, 0.4848,
0.3855

216.6863, 0.3595,
0.3501

 1.7484, 0.5605,
0.4083

262.9417, 0.3565,

 0.4547, 0.6502,

0.3488

0.3498

315.3515, 0.3539,
0.3478

0.0000, 0.0000,
0.0000

46.8712, 0.3910,
0.3620

46.8712, 0.3910,
0.3620

40.9302, 0.4206,
0.3707

53.6024, 0.3652,
0.3528

35.7426, 0.4536,
0.3781

61.1455, 0.3431,
0.3437

31.2783, 0.4889,
0.3831

69.5298, 0.3244,
0.3349

27.5025, 0.5244,
0.3843

78.7808, 0.3085,
0.3267

24.3766, 0.5569,
0.3808

88.9207, 0.2950,
0.3192

■ 21.8565, 0.5833,
0.3724

■ 94.9109, 0.2952,
0.3289

■ 21.2392, 0.5901,
0.3697

Harmonies

Analogous

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



46.8712, 0.3809, 0.3303



46.8712, 0.3910, 0.3620



46.8712, 0.3786, 0.3879

Triad

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



46.8712, 0.3910, 0.3620



46.8712, 0.2736, 0.3599



46.8712, 0.2747, 0.2659

Complementary

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



46.8712, 0.3910, 0.3620



51.6542, 0.2558, 0.2930

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.



46.8712, 0.2493, 0.2694



46.8712, 0.3910, 0.3620



46.8712, 0.2487, 0.3217

Square

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



46.8712, 0.3910, 0.3620



46.8712, 0.3099, 0.3897



46.8712, 0.2402, 0.2888



46.8712, 0.3116, 0.2771

Rectangle

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



46.8712, 0.3910, 0.3620



46.8712, 0.3600, 0.3978



46.8712, 0.2402, 0.2888



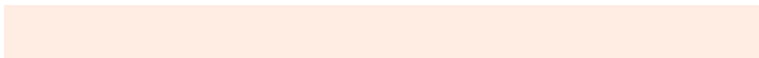
46.8712, 0.2647, 0.2653

Sweetspot

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



46.8734, 0.3910, 0.3620



86.9620, 0.3313, 0.3383



39.6688, 0.3420, 0.2639



18.2901, 0.3339, 0.3395



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.



46.8734, 0.3910, 0.3620



55.1864, 0.4148, 0.3692



64.5230, 0.3742, 0.4061



14.4426, 0.3284, 0.3369



12.3106, 0.5872, 0.3719



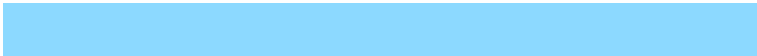
1.0140, 0.5572, 0.3958

Inverse Universe

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



51.6542, 0.2558, 0.2930



62.3329, 0.2441, 0.2836



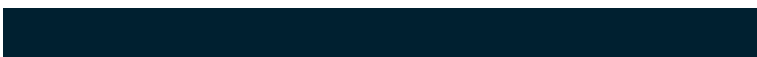
35.5038, 0.2478, 0.2377



14.7630, 0.2982, 0.3210



15.9383, 0.1935, 0.2167



1.2672, 0.1989, 0.2360

Previews

White Background



This preview shows how the Yxy color 46.8712, 0.3910, 0.3620 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 46.8712, 0.3910, 0.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

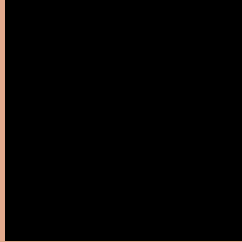
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.8712, 0.3910, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 46.8712, 0.3910, 0.3620.



This preview shows how white text looks on a background with the Yxy color 46.8712, 0.3910, 0.3620.

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

46.8712, 0.3910, 0.3620

Protanopia

46.9315, 0.3504, 0.3732

Deuteranopia

46.8792, 0.3785, 0.3707



Tritanopia

46.9476, 0.3623, 0.3142

Trichromacy



Original Color

46.8712, 0.3910, 0.3620

Protanomaly

46.8952, 0.3645, 0.3693

Deuteranomaly

46.7157, 0.3831, 0.3677

Tritanomaly

47.0121, 0.3732, 0.3315

Monochromacy



Original Color

46.8712, 0.3910, 0.3620

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.2469, 0.3387, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.8712, 0.3910, 0.3620 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(226, 170, 142)` looks like.

```
.text, #text, p{  
    color:rgb(226, 170, 142)  
}
```

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(226, 170, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 170, 142) }
```

Border

The CSS property to change the border of an element to Yxy 46.8712, 0.3910, 0.3620 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(226, 170, 142) }
```

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

```
.border{ border-color:rgb(226, 170, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 170, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 170, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 170, 142);  
box-shadow:4px 4px 4px 4px rgb(226, 170,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 46.8712, 0.3910, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 170, 142) }
```

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

```
.background{ background-color: rgb(226,  
170, 142) }
```

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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