

Converting Colors

$Y_{xy}(46.8470, 0.3424, 0.3740)$

Have a look what the booklet for
Yxy(46.8470, 0.3424, 0.3740)
contains.

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Color

Yxy(46.9221, 0.3419, 0.3740)

Conversions

Conversions Part 1

Format	Color
Hex	BAB896
RGB	186, 184, 150
RGB Percent	73%, 72%, 59%
CMY	0.2706, 0.2784, 0.4118
CMYK	0.00, 0.01, 0.19, 0.27
HSL	57°, 21%, 66%
HSV	57°, 19%, 73%
XYZ	42.8948, 46.9221, 35.6432
YIQ	180.7220, 12.1060, -10.1500

Conversions

Conversions Part 2

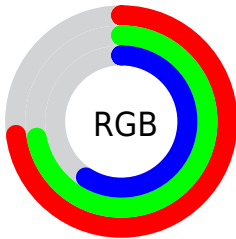
Format	Color
RYB	152, 186, 150
Decimal	12236950
CIELab	74.14, -5.01, 17.58
CIELCh	74, 18.276, 105.912
Yxy	46.9221, 0.3419, 0.3740
Android (android.graphics.Color)	4290427030 (0xFFBAB896)
YUV	180.7220, -15.1459, 4.6288
Hunter-Lab	68.4997, -8.0970, 17.0988

Details

The Yxy color **46.9221, 0.3419, 0.3740** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.4794, 0.2812, 0.2796**, and the grayscale version is **46.1296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5571, 0.3366, 0.3661**, and **22.1200, 0.3505, 0.3869** is the 20% darker color. If you saturate the color by 10%, you get **45.9444, 0.3574, 0.3976**, and if you desaturate by 10%, it is **48.0022, 0.3266, 0.3505**.

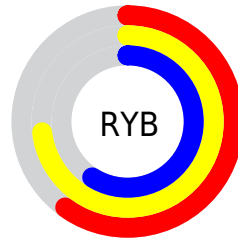
Distribution



Red (73%)

Green (72%)

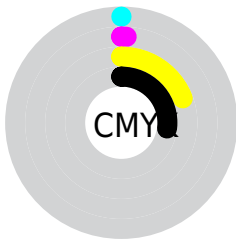
Blue (59%)



Red (60%)

Yellow (73%)

Blue (59%)

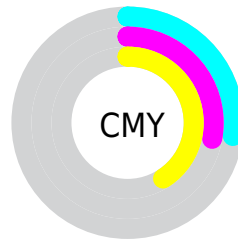


Cyan (0%)

Magenta (1%)

Yellow (19%)

Black (27%)



Cyan (27%)


Magenta (28%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.9221, 0.3419, 0.3740 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 46.9221, 0.3419, 0.3740 by changing the saturation by 10% instead.


 46.9221, 0.3419,
0.3740


 46.9221, 0.3419,
0.3740


374.5035, 0.3275,
0.3513

 32.9741, 0.3454,
0.3797


 85.5973, 0.3367,
0.3657

 22.1066, 0.3499,
0.3870


 111.0933, 0.3348,
0.3626

 13.9352, 0.3557,
0.3968


141.2074, 0.3331,
0.3600

 8.0756, 0.3636,
0.4104

176.3241, 0.3317,
0.3578

 4.1434, 0.3747,
0.4306

216.8276, 0.3304,
0.3558

 1.7541, 0.3992,
0.4726

263.1024, 0.3293,

 0.4583, 0.4060,

0.3541

0.5940

315.5329, 0.3284,
0.3526

0.0000, 0.0000,
0.0000

46.9221, 0.3419,
0.3740

46.9221, 0.3419,
0.3740

45.9444, 0.3574,
0.3976

48.0022, 0.3266,
0.3505

45.0583, 0.3727,
0.4205

49.1827, 0.3118,
0.3276

44.2612, 0.3872,
0.4418

50.4696, 0.2979,
0.3058

43.5477, 0.4001,
0.4605

51.8666, 0.2849,
0.2854

42.9120, 0.4111,
0.4758

53.3772, 0.2730,
0.2666

■ 42.3473, 0.4196,
0.4870

■ 54.5732, 0.2659,
0.2556

■ 41.8458, 0.4255,
0.4939

■ 55.0227, 0.2660,
0.2568

■ 41.3930, 0.4291,
0.4971

■ 55.4753, 0.2661,
0.2580

■ 41.3647, 0.4293,
0.4973

■ 55.9311, 0.2662,
0.2592

Harmonies

Analogous

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



46.9221, 0.3589, 0.3649



46.9221, 0.3419, 0.3740



46.9221, 0.3175, 0.3703

Triad

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



46.9221, 0.3419, 0.3740



46.9221, 0.2648, 0.3078



46.9221, 0.3321, 0.3057

Complementary

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



46.9221, 0.3419, 0.3740



32.4794, 0.2812, 0.2796

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.



46.9221, 0.3063, 0.2917



46.9221, 0.3419, 0.3740



46.9221, 0.2682, 0.2921

Square

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



46.9221, 0.3419, 0.3740



46.9221, 0.2735, 0.3306



46.9221, 0.2831, 0.2866



46.9221, 0.3533, 0.3255

Rectangle

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



46.9221, 0.3419, 0.3740



46.9221, 0.3005, 0.3607



46.9221, 0.2831, 0.2866



46.9221, 0.3237, 0.3002

Sweetspot

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



46.9242, 0.3419, 0.3740



87.6804, 0.3217, 0.3429



34.5272, 0.3478, 0.3258



19.2784, 0.3226, 0.3444



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.9242, 0.3419, 0.3740



84.3145, 0.3481, 0.3835



45.9114, 0.3276, 0.3786



10.4156, 0.3265, 0.3504



27.8643, 0.4292, 0.4974



1.0084, 0.4264, 0.4996

Inverse Universe

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



32.4794, 0.2812, 0.2796



53.5966, 0.2738, 0.2679



33.4164, 0.2954, 0.2788



8.7973, 0.2984, 0.3067



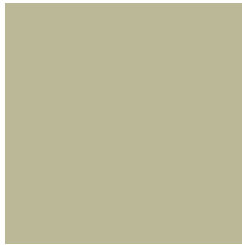
2.5725, 0.1512, 0.0642



0.1179, 0.1558, 0.0809

Previews

White Background



This preview shows how the Yxy color 46.9221, 0.3419, 0.3740 looks on a white background.

Color Contrast Check

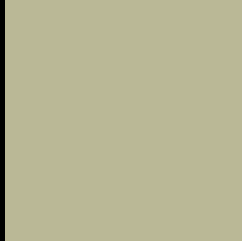
Large Text (above 18pt) WCAG AA × Fail

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 46.9221, 0.3419, 0.3740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

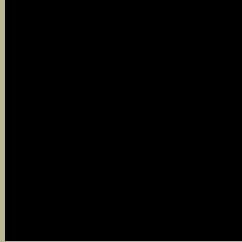
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

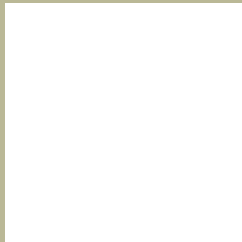
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.9221, 0.3419, 0.3740

Background



This preview shows how black text looks on a background with the Yxy color 46.9221, 0.3419, 0.3740.



This preview shows how white text looks on a background with the Yxy color 46.9221, 0.3419, 0.3740.

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

46.9221, 0.3419, 0.3740

Protanopia

46.9633, 0.3496, 0.3719

Deuteranopia

46.6286, 0.3648, 0.3576



Tritanopia

46.8530, 0.3135, 0.3114

Trichromacy



Original Color

46.9221, 0.3419, 0.3740

Protanomaly

46.9840, 0.3466, 0.3735

Deuteranomaly

46.4927, 0.3564, 0.3634

Tritanomaly

46.7640, 0.3238, 0.3329

Monochromacy



Original Color

46.9221, 0.3419, 0.3740

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.4255, 0.3232, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.9221, 0.3419, 0.3740 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(186, 184, 150)` looks like.

```
.text, #text, p{  
    color:rgb(186, 184, 150)  
}
```

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(186, 184, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 184, 150) }
```

Border

The CSS property to change the border of an element to Yxy 46.9221, 0.3419, 0.3740 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(186, 184, 150) }
```

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

```
.border{ border-color:rgb(186, 184, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 184, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 184, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 184, 150);  
box-shadow:4px 4px 4px 4px rgb(186, 184,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 46.9221, 0.3419, 0.3740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 184, 150) }
```

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

```
.background{ background-color: rgb(186,  
184, 150) }
```

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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