

Converting Colors

$Y_{xy}(47.9945, 0.3430, 0.3745)$

Have a look what the booklet for
Yxy(47.9945, 0.3430, 0.3745)
contains.

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Color

Yxy(48.1710, 0.3433, 0.3747)

Conversions

Conversions Part 1

Format	Color
Hex	BDBA97
RGB	189, 186, 151
RGB Percent	74%, 73%, 59%
CMY	0.2588, 0.2706, 0.4078
CMYK	0.00, 0.02, 0.20, 0.26
HSL	55°, 22%, 67%
HSV	55°, 20%, 74%
XYZ	44.1343, 48.1710, 36.2536
YIQ	182.9070, 13.0230, -10.2490

Conversions

Conversions Part 2

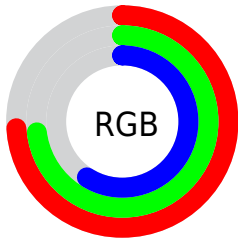
Format	Color
RYB	154, 189, 151
Decimal	12434071
CIELab	74.93, -4.77, 18.16
CIELCh	75, 18.776, 104.713
Yxy	48.1710, 0.3433, 0.3747
Android (android.graphics.Color)	4290624151 (0xFFBDBA97)
YUV	182.9070, -15.7302, 5.3436
Hunter-Lab	69.4053, -7.9527, 17.6138

Details

The Yxy color **48.1710, 0.3433, 0.3747** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.3745, 0.2799, 0.2788**, and the grayscale version is **47.3851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5049, 0.3384, 0.3666**, and **22.8461, 0.3511, 0.3879** is the 20% darker color. If you saturate the color by 10%, you get **46.9789, 0.3591, 0.3978**, and if you desaturate by 10%, it is **49.4725, 0.3278, 0.3516**.

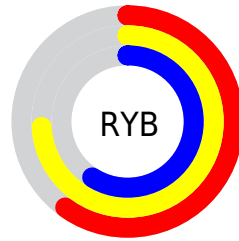
Distribution



Red (74%)

Green (73%)

Blue (59%)



Red (60%)

Yellow (74%)

Blue (59%)

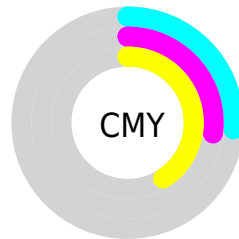


Cyan (0%)

Magenta (2%)

Yellow (20%)

Black (26%)



Cyan (26%)

Magenta (27%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1710, 0.3433, 0.3747 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 48.1710, 0.3433, 0.3747 by changing the saturation by 10% instead.

■ 48.1710, 0.3433,
0.3747

■ 48.1710, 0.3433,
0.3747

379.4695, 0.3283,
0.3518

■ 33.9623, 0.3470,
0.3804

■ 87.4590, 0.3379,
0.3664

■ 22.8647, 0.3516,
0.3878

■ 113.3070, 0.3359,
0.3632

■ 14.4936, 0.3576,
0.3975

143.8037, 0.3341,
0.3606

■ 8.4648, 0.3657,
0.4110

179.3333, 0.3326,
0.3583

■ 4.3938, 0.3771,
0.4308

220.2803, 0.3313,
0.3564

■ 1.8962, 0.3997,
0.4691

267.0291, 0.3302,

■ 0.5461, 0.4244,

0.3546

0.5756

319.9640, 0.3292,
0.3531

0.0000, 0.0000,
0.0000

48.1710, 0.3433,
0.3747

48.1710, 0.3433,
0.3747

46.9789, 0.3591,
0.3978

49.4725, 0.3278,
0.3516

45.8850, 0.3747,
0.4202

50.8813, 0.3129,
0.3292

44.8865, 0.3896,
0.4410

52.4038, 0.2989,
0.3079

43.9777, 0.4031,
0.4593

54.0437, 0.2858,
0.2879

43.1524, 0.4145,
0.4740

55.8049, 0.2739,
0.2694

■ 42.4037, 0.4235,
0.4847

■ 57.0692, 0.2684,
0.2616

■ 41.7232, 0.4299,
0.4909

■ 57.7445, 0.2686,
0.2633

■ 41.1008, 0.4339,
0.4936

■ 58.4266, 0.2687,
0.2651

■ 59.1155, 0.2689,
0.2668

Harmonies

Analogous

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



48.1710, 0.3602, 0.3649



48.1710, 0.3433, 0.3747



48.1710, 0.3186, 0.3716

Triad

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



48.1710, 0.3433, 0.3747



48.1710, 0.2640, 0.3082



48.1710, 0.3315, 0.3045

Complementary

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



48.1710, 0.3433, 0.3747



33.3745, 0.2799, 0.2788

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.



48.1710, 0.3051, 0.2906



48.1710, 0.3433, 0.3747



48.1710, 0.2670, 0.2919

Square

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



48.1710, 0.3433, 0.3747



48.1710, 0.2734, 0.3316



48.1710, 0.2817, 0.2859



48.1710, 0.3534, 0.3245

Rectangle

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



48.1710, 0.3433, 0.3747



48.1710, 0.3013, 0.3620



48.1710, 0.2817, 0.2859



48.1710, 0.3228, 0.2990

Sweetspot

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



48.1731, 0.3433, 0.3747



89.5778, 0.3217, 0.3425



35.2962, 0.3488, 0.3248



19.2284, 0.3227, 0.3440



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.



48.1731, 0.3433, 0.3747



85.3260, 0.3501, 0.3846



47.5409, 0.3288, 0.3806



10.9875, 0.3266, 0.3499



27.7011, 0.4337, 0.4938



1.1239, 0.4299, 0.4968

Inverse Universe

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



33.3745, 0.2799, 0.2788



54.1601, 0.2720, 0.2665



34.0099, 0.2940, 0.2765



9.3437, 0.2984, 0.3072



2.7483, 0.1517, 0.0660



0.1495, 0.1578, 0.0879

Previews

White Background



This preview shows how the Yxy color 48.1710, 0.3433, 0.3747 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 48.1710, 0.3433, 0.3747 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

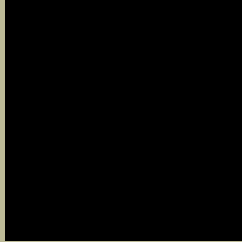
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

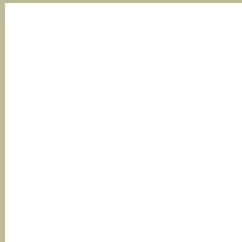
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.1710, 0.3433, 0.3747

Background



This preview shows how black text looks on a background with the Yxy color 48.1710, 0.3433, 0.3747.



This preview shows how white text looks on a background with the Yxy color 48.1710, 0.3433, 0.3747.

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

48.1710, 0.3433, 0.3747

Protanopia

48.0851, 0.3500, 0.3728

Deuteranopia

47.8903, 0.3661, 0.3584



Tritanopia

48.1397, 0.3144, 0.3116

Trichromacy



Original Color

48.1710, 0.3433, 0.3747

Protanomaly

48.2374, 0.3480, 0.3743

Deuteranomaly

47.7469, 0.3577, 0.3642

Tritanomaly

48.0077, 0.3254, 0.3341

Monochromacy



Original Color

48.1710, 0.3433, 0.3747

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.5355, 0.3239, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1710, 0.3433, 0.3747 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(189, 186, 151)` looks like.

```
.text, #text, p{  
    color:rgb(189, 186, 151)  
}
```

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(189, 186, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 186, 151) }
```

Border

The CSS property to change the border of an element to Yxy 48.1710, 0.3433, 0.3747 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(189, 186, 151) }
```

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

```
.border{ border-color:rgb(189, 186, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 186, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 186, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 186, 151);  
box-shadow:4px 4px 4px 4px rgb(189, 186,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1710, 0.3433, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 186, 151) }
```

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

```
.background{ background-color: rgb(189,  
186, 151) }
```

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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