

Converting Colors

$Y_{xy}(47.1772, 0.3240, 0.3803)$

Have a look what the booklet for
Yxy(47.1772, 0.3240, 0.3803)
contains.

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Color

Yxy(47.0972, 0.3244, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	A9BD98
RGB	169, 189, 152
RGB Percent	66%, 74%, 60%
CMY	0.3373, 0.2588, 0.4039
CMYK	0.11, 0.00, 0.20, 0.26
HSL	92°, 22%, 67%
HSV	92°, 20%, 74%
XYZ	40.2273, 47.0972, 36.6808
YIQ	178.8020, -0.0430, -15.7470

Conversions

Conversions Part 2

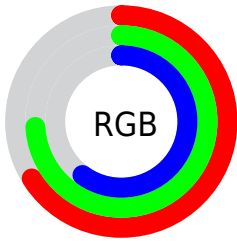
Format	Color
RYB	152, 189, 172
Decimal	11124120
CIELab	74.25, -13.61, 16.44
CIELCh	74, 21.348, 129.621
Yxy	47.0972, 0.3244, 0.3798
Android (android.graphics.Color)	4289314200 (0xFFA9BD98)
YUV	178.8020, -13.2134, -8.5964
Hunter-Lab	68.6274, -15.4666, 16.3492

Details

The Yxy color $47.0972, 0.3244, 0.3798$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $34.9077, 0.2989, 0.2787$, and the grayscale version is $45.0411, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6083, 0.3225, 0.3704$, and $22.3298, 0.3274, 0.3955$ is the 20% darker color. If you saturate the color by 10%, you get $45.4416, 0.3300, 0.4086$, and if you desaturate by 10%, it is $48.9440, 0.3185, 0.3528$.

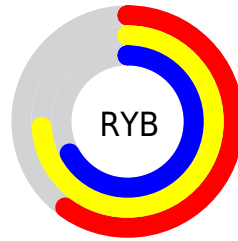
Distribution



Red (66%)

Green (74%)

Blue (60%)



Red (60%)

Yellow (74%)

Blue (67%)

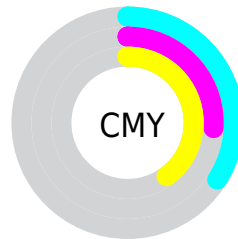


Cyan (11%)

Magenta (0%)

Yellow (20%)

Black (26%)



Cyan (34%)

Magenta (26%)

Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0972, 0.3244, 0.3798 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 47.0972, 0.3244, 0.3798 by changing the saturation by 10% instead.


 47.0972, 0.3244,
0.3798

 47.0972, 0.3244,
0.3798


375.2024, 0.3189,
0.3538

 33.1125, 0.3256,
0.3865

 85.8587, 0.3225,
0.3702

 22.2126, 0.3272,
0.3951


 111.4043, 0.3218,
0.3667

 14.0132, 0.3290,
0.4068


141.5723, 0.3211,
0.3637

 8.1299, 0.3313,
0.4235

176.7471, 0.3206,
0.3611

 4.1782, 0.3339,
0.4489

217.3131, 0.3201,
0.3589

 1.7737, 0.3408,
0.4992

263.6547, 0.3196,

 0.4707, 0.1964,

0.3570

0.8036

316.1564, 0.3193,
0.3553

0.0000, 0.0000,
0.0000

47.0972, 0.3244,
0.3798

47.0972, 0.3244,
0.3798

45.4416, 0.3300,
0.4086

48.9440, 0.3185,
0.3528

43.9644, 0.3349,
0.4387

50.9822, 0.3125,
0.3280

42.6604, 0.3387,
0.4689


53.2197, 0.3065,
0.3055

41.5222, 0.3410,
0.4980


55.6623, 0.3008,
0.2853

40.5411, 0.3415,
0.5243


58.3155, 0.2954,
0.2672

 39.7080, 0.3400,
0.5465


 60.4953, 0.2972,
0.2606

 39.0122, 0.3364,
0.5633

 62.2398, 0.3048,
0.2622

 38.4356, 0.3313,
0.5748

 64.0852, 0.3125,
0.2637

 38.4128, 0.3311,
0.5753

 64.8772, 0.3157,
0.2644

Harmonies

Analogous

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



47.0972, 0.3517, 0.3804



47.0972, 0.3244, 0.3798



47.0972, 0.2948, 0.3635

Triad

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



47.0972, 0.3244, 0.3798



47.0972, 0.2591, 0.2888



47.0972, 0.3558, 0.3196

Complementary

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



47.0972, 0.3244, 0.3798



34.9077, 0.2989, 0.2787

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.



47.0972, 0.3291, 0.2979



47.0972, 0.3244, 0.3798



47.0972, 0.2736, 0.2801

Square

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



47.0972, 0.3244, 0.3798



47.0972, 0.2581, 0.3091



47.0972, 0.2989, 0.2836



47.0972, 0.3706, 0.3444

Rectangle

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



47.0972, 0.3244, 0.3798



47.0972, 0.2778, 0.3462



47.0972, 0.2989, 0.2836



47.0972, 0.3478, 0.3118

Sweetspot

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



47.0992, 0.3244, 0.3798



88.8830, 0.3164, 0.3439



42.4936, 0.3459, 0.3553



19.0638, 0.3168, 0.3456



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.



47.0992, 0.3244, 0.3798



83.1845, 0.3266, 0.3906



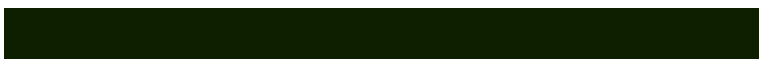
45.3818, 0.3093, 0.3802



10.8584, 0.3183, 0.3522



25.8883, 0.3320, 0.5746



1.0530, 0.3513, 0.5592

Inverse Universe

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



34.9077, 0.2989, 0.2787



57.8112, 0.2957, 0.2682



36.9008, 0.3161, 0.2826



9.4726, 0.3066, 0.3059



4.4274, 0.2116, 0.0940



0.2119, 0.2371, 0.1080

Previews

White Background



This preview shows how the Yxy color 47.0972, 0.3244, 0.3798 looks on a white background.

Color Contrast Check

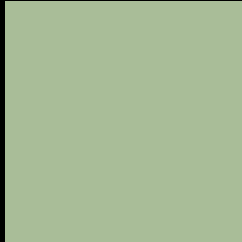
Large Text (above 18pt) WCAG AA × Fail

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 47.0972, 0.3244, 0.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

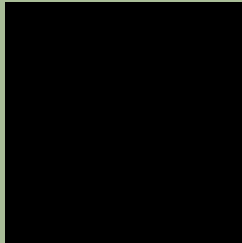
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0972, 0.3244, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 47.0972, 0.3244, 0.3798.



This preview shows how white text looks on a background with the Yxy color 47.0972, 0.3244, 0.3798.

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

47.0972, 0.3244, 0.3798

Protanopia

46.9633, 0.3496, 0.3719

Deuteranopia

46.7281, 0.3621, 0.3538



Tritanopia

47.1283, 0.2963, 0.3109

Trichromacy



Original Color

47.0972, 0.3244, 0.3798

Protanomaly

47.0903, 0.3399, 0.3755

Deuteranomaly

46.5777, 0.3477, 0.3626

Tritanomaly

46.9184, 0.3058, 0.3343

Monochromacy



Original Color

47.0972, 0.3244, 0.3798

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.8455, 0.3169, 0.3478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0972, 0.3244, 0.3798 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(169, 189, 152)` looks like.

```
.text, #text, p{  
    color:rgb(169, 189, 152)  
}
```

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(169, 189, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 189, 152) }
```

Border

The CSS property to change the border of an element to Yxy 47.0972, 0.3244, 0.3798 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(169, 189, 152) }
```

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

```
.border{ border-color:rgb(169, 189, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 189, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 189, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 189, 152);  
box-shadow:4px 4px 4px 4px rgb(169, 189,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0972, 0.3244, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 189, 152) }
```

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

```
.background{ background-color: rgb(169,  
189, 152) }
```

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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