

Converting Colors

$Yxy(48.4635, 0.3367, 0.4070)$

Have a look what the booklet for
Yxy(48.4635, 0.3367, 0.4070)
contains.

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Color

Yxy(48.4635, 0.3367, 0.4070)

Conversions

Conversions Part 1

Format	Color
Hex	AAC188
RGB	170, 193, 136
RGB Percent	67%, 76%, 53%
CMY	0.3332, 0.2431, 0.4668
CMYK	0.12, 0.00, 0.30, 0.24
HSL	84°, 32%, 65%
HSV	84°, 30%, 76%
XYZ	40.0925, 48.4635, 30.5189
YIQ	179.6250, 4.5890, -22.6030

Conversions

Conversions Part 2

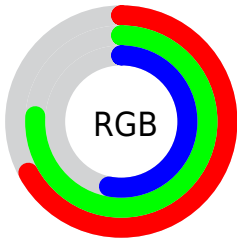
Format	Color
RYB	136, 193, 159
Decimal	11190664
CIELab	75.12, -17.76, 26.21
CIELCh	75, 31.660, 124.122
Yxy	48.4635, 0.3367, 0.4070
Android (android.graphics.Color)	4289380744 (0xFFAAC188)
YUV	179.6250, -21.5071, -8.4411
Hunter-Lab	69.6157, -19.0272, 22.7388

Details

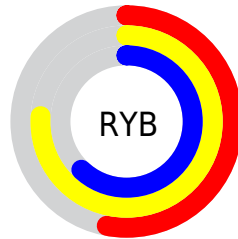
The Yxy color **48.4635, 0.3367, 0.4070** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.8129, 0.2824, 0.2488**, and the grayscale version is **45.5470, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6378, 0.3329, 0.3915**, and **22.9190, 0.3415, 0.4289** is the 20% darker color. If you saturate the color by 10%, you get **47.1243, 0.3439, 0.4355**, and if you desaturate by 10%, it is **49.9571, 0.3288, 0.3791**.

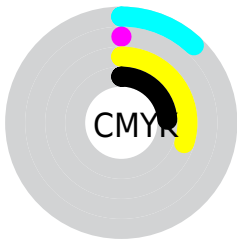
Distribution



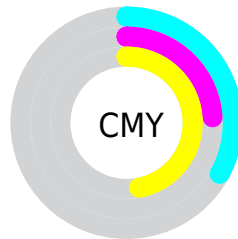
- Red (67%)
- Green (76%)
- Blue (53%)



- Red (53%)
- Yellow (76%)
- Blue (62%)



- Cyan (12%)
- Magenta (0%)
- Yellow (30%)
- Black (24%)





- Cyan (33%)
- Magenta (24%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4635, 0.3367, 0.4070 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 48.4635, 0.3367, 0.4070 by changing the saturation by 10% instead.

 48.4635, 0.3367,
0.4070

 48.4635, 0.3367,
0.4070


380.6264, 0.3256,
0.3671


 34.1941, 0.3391,
0.4172


 87.8941, 0.3329,
0.3923

 23.0427, 0.3420,
0.4303


 113.8241, 0.3314,
0.3869

 14.6251, 0.3453,
0.4479


 144.4097, 0.3301,
0.3823

 8.5567, 0.3490,
0.4725

180.0354, 0.3290,
0.3783

 4.4532, 0.3524,
0.5089

221.0855, 0.3280,
0.3750

 1.9302, 0.3830,
0.6170

267.9444, 0.3271,

 0.5664, 0.1561,

0.3720

0.8439

320.9966, 0.3263,
0.3694

0.0000, 0.0000,
0.0000

48.4635, 0.3367,
0.4070

48.4635, 0.3367,
0.4070

47.1243, 0.3439,
0.4355

49.9571, 0.3288,
0.3791

45.9268, 0.3500,
0.4638

51.6043, 0.3206,
0.3526

44.8665, 0.3545,
0.4905

53.4129, 0.3124,
0.3279

43.9360, 0.3570,
0.5145

55.3878, 0.3043,
0.3053

43.1270, 0.3571,
0.5343

57.5339, 0.2967,
0.2846

■ 42.4299, 0.3549,
0.5492

■ 59.8560, 0.2894,
0.2660

■ 41.8277, 0.3507,
0.5594

■ 61.2802, 0.2929,
0.2640

■ 41.8022, 0.3505,
0.5599

■ 62.5545, 0.2986,
0.2651

■ 63.8864, 0.3044,
0.2662

Harmonies

Analogous

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



48.4635, 0.3752, 0.4017



48.4635, 0.3367, 0.4070



48.4635, 0.2934, 0.3869

Triad

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



48.4635, 0.3367, 0.4070



48.4635, 0.2340, 0.2741



48.4635, 0.3699, 0.3086

Complementary

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



48.4635, 0.3367, 0.4070



28.8129, 0.2824, 0.2488

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.



48.4635, 0.3280, 0.2797



48.4635, 0.3367, 0.4070



48.4635, 0.2510, 0.2595

Square

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



48.4635, 0.3367, 0.4070



48.4635, 0.2360, 0.3054



48.4635, 0.2845, 0.2621



48.4635, 0.3960, 0.3432

Rectangle

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



48.4635, 0.3367, 0.4070



48.4635, 0.2678, 0.3620



48.4635, 0.2845, 0.2621



48.4635, 0.3570, 0.2980

Sweetspot

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



48.4656, 0.3367, 0.4070



92.5502, 0.3202, 0.3516



37.8341, 0.3689, 0.3598



19.7580, 0.3214, 0.3554



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



48.4656, 0.3367, 0.4070



85.3292, 0.3411, 0.4241



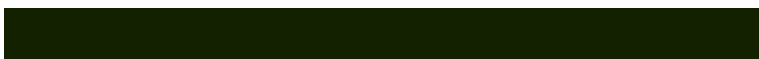
45.6384, 0.3132, 0.4130



11.5494, 0.3204, 0.3522



27.8504, 0.3514, 0.5592



1.2426, 0.3665, 0.5472

Inverse Universe

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



28.8129, 0.2824, 0.2488



44.8514, 0.2748, 0.2306



32.0503, 0.3104, 0.2551



9.9416, 0.3045, 0.3056



3.6753, 0.1860, 0.0798



0.1989, 0.2121, 0.0942

Previews

White Background



This preview shows how the Yxy color 48.4635, 0.3367, 0.4070 looks on a white background.

Color Contrast Check

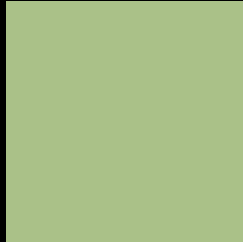
Large Text (above 18pt) WCAG AA × Fail

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 48.4635, 0.3367, 0.4070 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 48.4635, 0.3367, 0.4070

Background



This preview shows how black text looks on a background with the Yxy color 48.4635, 0.3367, 0.4070.



This preview shows how white text looks on a background with the Yxy color 48.4635, 0.3367, 0.4070.

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

48.4635, 0.3367, 0.4070

Protanopia

48.0890, 0.3686, 0.3952

Deuteranopia

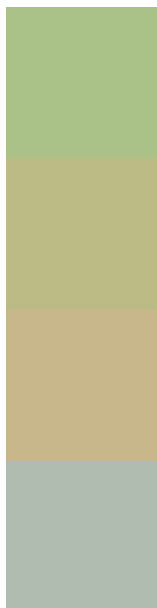
48.0601, 0.3823, 0.3749



Tritanopia

48.4052, 0.2972, 0.3111

Trichromacy



Original Color

48.4635, 0.3367, 0.4070

Protanomaly

47.9255, 0.3566, 0.3999

Deuteranomaly

47.9813, 0.3649, 0.3862

Tritanomaly

48.3311, 0.3120, 0.3448

Monochromacy



Original Color

48.4635, 0.3367, 0.4070

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.6084, 0.3216, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4635, 0.3367, 0.4070 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(170, 193, 136)` looks like.

```
.text, #text, p{  
    color:rgb(170, 193, 136)  
}
```

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(170, 193, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 193, 136) }
```

Border

The CSS property to change the border of an element to Yxy 48.4635, 0.3367, 0.4070 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(170, 193, 136) }
```

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

```
.border{ border-color:rgb(170, 193, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 193, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 193, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 193, 136);  
box-shadow:4px 4px 4px 4px rgb(170, 193,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4635, 0.3367, 0.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 193, 136) }
```

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

```
.background{ background-color: rgb(170,  
193, 136) }
```

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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