

Converting Colors

$Yxy(48.8547, 0.3476, 0.4189)$

Have a look what the booklet for
Yxy(48.8547, 0.3476, 0.4189)
contains.

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Color

Yxy(48.7862, 0.3477, 0.4180)

Conversions

Conversions Part 1

Format	Color
Hex	AFC17F
RGB	175, 193, 127
RGB Percent	69%, 76%, 50%
CMY	0.3137, 0.2431, 0.5021
CMYK	0.09, 0.00, 0.34, 0.24
HSL	76°, 35%, 63%
HSV	76°, 34%, 76%
XYZ	40.5812, 48.7862, 27.3459
YIQ	180.0940, 10.4580, -24.3420

Conversions

Conversions Part 2

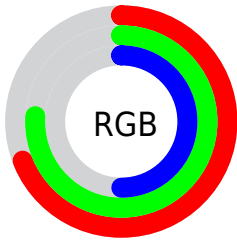
Format	Color
RYB	127, 193, 145
Decimal	11518335
CIELab	75.32, -17.11, 31.26
CIELCh	75, 35.637, 118.697
Yxy	48.7862, 0.3477, 0.4180
Android (android.graphics.Color)	4289708415 (0xFFAFC17F)
YUV	180.0940, -26.1753, -4.4674
Hunter-Lab	69.8471, -18.5238, 25.6803

Details

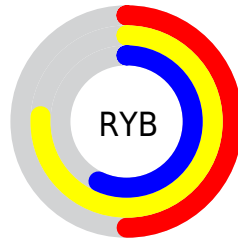
The Yxy color **48.7862, 0.3477, 0.4180** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.0373, 0.2682, 0.2325**, and the grayscale version is **45.8352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0356, 0.3423, 0.4014**, and **23.1386, 0.3560, 0.4429** is the 20% darker color. If you saturate the color by 10%, you get **47.7360, 0.3568, 0.4448**, and if you desaturate by 10%, it is **49.9608, 0.3378, 0.3909**.

Distribution



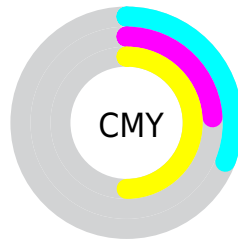
- Red (69%)
- Green (76%)
- Blue (50%)



- Red (50%)
- Yellow (76%)
- Blue (57%)



- Cyan (9%)
- Magenta (0%)
- Yellow (34%)
- Black (24%)





- Cyan (31%)
- Magenta (24%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.7862, 0.3477, 0.4180 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 48.7862, 0.3477, 0.4180 by changing the saturation by 10% instead.


 48.7862, 0.3477,
0.4180


 48.7862, 0.3477,
0.4180

381.9000, 0.3315,
0.3727

 34.4499, 0.3512,
0.4294


 88.3738, 0.3422,
0.4014

 23.2394, 0.3554,
0.4440


 114.3940, 0.3400,
0.3952

 14.7704, 0.3603,
0.4634


 145.0775, 0.3381,
0.3900

 8.6584, 0.3658,
0.4900

180.8088, 0.3364,
0.3855

 4.5191, 0.3707,
0.5281

221.9724, 0.3350,
0.3817

 1.9679, 0.3876,
0.6124

268.9525, 0.3337,

 0.5887, 0.1942,

0.3783

0.8058

322.1336, 0.3325,
0.3753

0.0000, 0.0000,
0.0000

48.7862, 0.3477,
0.4180

48.7862, 0.3477,
0.4180

47.7360, 0.3568,
0.4448

49.9608, 0.3378,
0.3909

46.7978, 0.3645,
0.4704

51.2587, 0.3274,
0.3645

45.9676, 0.3703,
0.4934


52.6870, 0.3170,
0.3392

45.2383, 0.3738,
0.5130

54.2504, 0.3069,
0.3155

44.6016, 0.3748,
0.5281

55.9532, 0.2972,
0.2937

 44.0478, 0.3734,
0.5385

 57.7998, 0.2880,
0.2737

 43.7542, 0.3718,
0.5430

 59.3302, 0.2839,
0.2623

 60.1233, 0.2876,
0.2630

 60.9421, 0.2914,
0.2637

Harmonies

Analogous

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



48.7862, 0.3887, 0.4064



48.7862, 0.3477, 0.4180



48.7862, 0.2993, 0.4009

Triad

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



48.7862, 0.3477, 0.4180



48.7862, 0.2239, 0.2722



48.7862, 0.3692, 0.2995

Complementary

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



48.7862, 0.3477, 0.4180



25.0373, 0.2682, 0.2325

Split Complementary

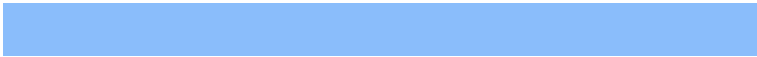
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.7862, 0.3205, 0.2697



48.7862, 0.3477, 0.4180



48.7862, 0.2390, 0.2530

Square

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



48.7862, 0.3477, 0.4180



48.7862, 0.2299, 0.3100



48.7862, 0.2731, 0.2529



48.7862, 0.4030, 0.3371

Rectangle

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



48.7862, 0.3477, 0.4180



48.7862, 0.2694, 0.3746



48.7862, 0.2731, 0.2529



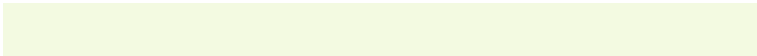
48.7862, 0.3538, 0.2884

Sweetspot

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



48.7884, 0.3477, 0.4180



92.8118, 0.3232, 0.3540



32.9917, 0.3841, 0.3532



19.8347, 0.3247, 0.3576



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.



48.7884, 0.3477, 0.4180



85.9582, 0.3545, 0.4380



45.4566, 0.3200, 0.4263



11.6160, 0.3224, 0.3520



29.1422, 0.3724, 0.5425



1.2917, 0.3833, 0.5338

Inverse Universe

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



25.0373, 0.2682, 0.2325



37.0548, 0.2561, 0.2086



28.4387, 0.3007, 0.2410



9.8778, 0.3025, 0.3055



3.0909, 0.1678, 0.0698



0.1689, 0.1928, 0.0836

Previews

White Background



This preview shows how the Yxy color 48.7862, 0.3477, 0.4180 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 48.7862, 0.3477, 0.4180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

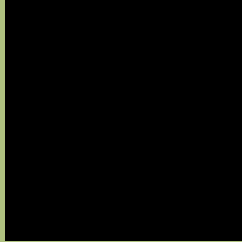
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.7862, 0.3477, 0.4180

Background



This preview shows how black text looks on a background with the Yxy color 48.7862, 0.3477, 0.4180.



This preview shows how white text looks on a background with the Yxy color 48.7862, 0.3477, 0.4180.

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

48.7862, 0.3477, 0.4180

Protanopia

48.5707, 0.3765, 0.4057

Deuteranopia

48.2716, 0.3929, 0.3850



Tritanopia

48.7188, 0.3021, 0.3101

Trichromacy



Original Color

48.7862, 0.3477, 0.4180

Protanomaly

48.6536, 0.3662, 0.4103

Deuteranomaly

48.2893, 0.3761, 0.3966

Tritanomaly

48.3815, 0.3185, 0.3474

Monochromacy



Original Color

48.7862, 0.3477, 0.4180

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.7361, 0.3257, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7862, 0.3477, 0.4180 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(175, 193, 127)` looks like.

```
.text, #text, p{  
    color:rgb(175, 193, 127)  
}
```

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(175, 193, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 193, 127) }
```

Border

The CSS property to change the border of an element to Yxy 48.7862, 0.3477, 0.4180 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(175, 193, 127) }
```

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

```
.border{ border-color:rgb(175, 193, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 193, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 193, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 193, 127);  
box-shadow:4px 4px 4px 4px rgb(175, 193,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7862, 0.3477, 0.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 193, 127) }
```

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

```
.background{ background-color: rgb(175,  
193, 127) }
```

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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