

# Converting Colors

$Yxy(48.4426, 0.3104, 0.3648)$

Have a look what the booklet for  
Yxy(48.4426, 0.3104, 0.3648)  
contains.

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# Color

**Yxy(48.4518, 0.3103, 0.3644)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5C0A6
RGB	165, 192, 166
RGB Percent	65%, 75%, 65%
CMY	0.3527, 0.2471, 0.3490
CMYK	0.14, 0.00, 0.14, 0.25
HSL	122°, 18%, 70%
HSV	122°, 14%, 75%
XYZ	41.2585, 48.4518, 43.2529
YIQ	180.9630, -7.7460, -13.8100

# Conversions

## Conversions Part 2

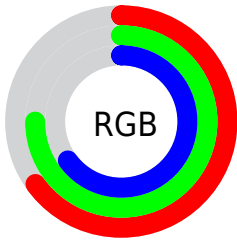
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 191, 192
Decimal	10862758
CIELab	75.11, -14.13, 10.06
CIElCh	75, 17.345, 144.539
Yxy	48.4518, 0.3103, 0.3644
Android (android.graphics.Color)	4289052838 (0xFFA5C0A6)
YUV	180.9630, -7.3768, -13.9996
Hunter-Lab	69.6073, -16.0102, 11.8832

# Details

The Yxy color **48.4518, 0.3103, 0.3644** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.9007, 0.3151, 0.2960**, and the grayscale version is **46.2373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5709, 0.3107, 0.3574**, and **22.9026, 0.3095, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **45.9146, 0.3084, 0.3936**, and if you desaturate by 10%, it is **51.4002, 0.3121, 0.3385**.

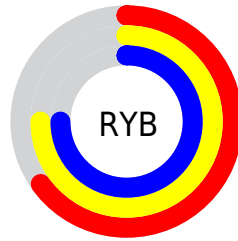
# Distribution



Red (65%)

Green (75%)

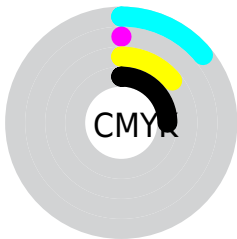
Blue (65%)



Red (65%)

Yellow (75%)

Blue (75%)

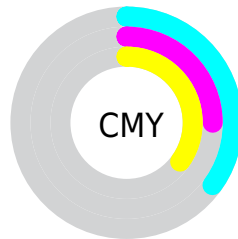


Cyan (14%)

Magenta (0%)

Yellow (14%)

Black (25%)



Cyan (35%)

Magenta (25%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4518, 0.3103, 0.3644 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 48.4518, 0.3103, 0.3644 by changing the saturation by 10% instead.



 48.4518, 0.3103,  
0.3644

 48.4518, 0.3103,  
0.3644


380.5802, 0.3117,  
0.3464

 34.1848, 0.3099,  
0.3690


 87.8767, 0.3109,  
0.3578

 23.0356, 0.3093,  
0.3749


 113.8034, 0.3110,  
0.3553

 14.6198, 0.3085,  
0.3830


144.3855, 0.3112,  
0.3533

 8.5530, 0.3072,  
0.3943

180.0073, 0.3113,  
0.3515

 4.4508, 0.3050,  
0.4118

221.0533, 0.3115,  
0.3500

 1.9288, 0.3006,  
0.4416

267.9079, 0.3115,

 0.5656, 0.2541,

0.3486

0.7459

320.9553, 0.3116,  
0.3475

0.0000, 0.0000,  
0.0000

48.4518, 0.3103,  
0.3644

48.4518, 0.3103,  
0.3644

45.9146, 0.3084,  
0.3936

51.4002, 0.3121,  
0.3385

43.7645, 0.3065,  
0.4257

54.7704, 0.3137,  
0.3159

41.9843, 0.3045,  
0.4599

58.5802, 0.3151,  
0.2963

40.5533, 0.3027,  
0.4946

62.8448, 0.3164,  
0.2794

39.4483, 0.3012,  
0.5277

66.1750, 0.3156,  
0.2673

■ 38.6439, 0.3001,  
0.5565

■ 38.1103, 0.2996,  
0.5788

■ 37.8123, 0.2995,  
0.5930

■ 37.7097, 0.2994,  
0.5979

# Harmonies

## Analogous

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



48.4518, 0.3340, 0.3715



48.4518, 0.3103, 0.3644



48.4518, 0.2878, 0.3466

# Triad

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



48.4518, 0.3103, 0.3644



48.4518, 0.2738, 0.2918



48.4518, 0.3547, 0.3316

# Complementary

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



48.4518, 0.3103, 0.3644



41.9007, 0.3151, 0.2960

# 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.



48.4518, 0.3374, 0.3120



48.4518, 0.3103, 0.3644



48.4518, 0.2905, 0.2895

# Square

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



48.4518, 0.3103, 0.3644



48.4518, 0.2673, 0.3040



48.4518, 0.3137, 0.2969



48.4518, 0.3603, 0.3514



# Rectangle

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



48.4518, 0.3103, 0.3644



48.4518, 0.2765, 0.3316



48.4518, 0.3137, 0.2969



48.4518, 0.3501, 0.3248

# Sweetspot

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



48.4539, 0.3103, 0.3644



93.1239, 0.3120, 0.3386



51.5021, 0.3327, 0.3634



19.8855, 0.3119, 0.3404



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

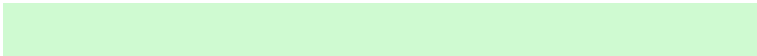


# Same Dimension

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



48.4539, 0.3103, 0.3644



86.2331, 0.3097, 0.3735



48.9725, 0.3005, 0.3458



11.2644, 0.3111, 0.3519



25.3799, 0.2993, 0.5974



1.0986, 0.2966, 0.5878



# Inverse Universe

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



41.9007, 0.3151, 0.2960



71.9368, 0.3157, 0.2882



41.3363, 0.3269, 0.3128



10.2413, 0.3143, 0.3071



9.9088, 0.3297, 0.1590



0.4301, 0.3276, 0.1578



# Previews

## White Background



This preview shows how the Yxy color 48.4518, 0.3103, 0.3644 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

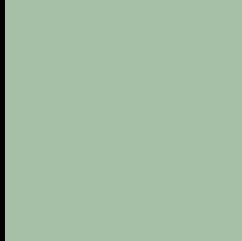
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4518, 0.3103, 0.3644 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

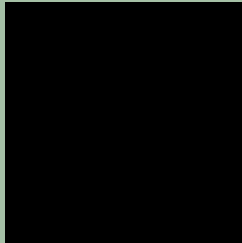
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

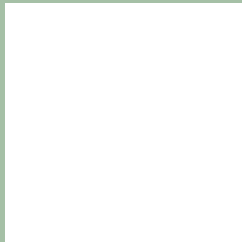
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.4518, 0.3103, 0.3644**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4518, 0.3103, 0.3644.



This preview shows how white text looks on a background with the Yxy color 48.4518, 0.3103, 0.3644.

# 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

48.4518, 0.3103, 0.3644

### Protanopia

48.2271, 0.3383, 0.3573

### Deuteranopia

48.1153, 0.3471, 0.3402



## Tritanopia

48.4628, 0.2889, 0.3096

# Trichromacy



## Original Color

48.4518, 0.3103, 0.3644

## Protanomaly

48.2523, 0.3281, 0.3606

## Deuteranomaly

47.9006, 0.3326, 0.3483

## Tritanomaly

48.5043, 0.2967, 0.3290

# Monochromacy



## Original Color

48.4518, 0.3103, 0.3644

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.9465, 0.3113, 0.3410

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4518, 0.3103, 0.3644 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(165, 192, 166)` looks like.

```
.text, #text, p{  
    color:rgb(165, 192, 166)  
}
```

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(165, 192, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 192, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4518, 0.3103, 0.3644 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(165, 192, 166) }
```

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

```
.border{ border-color:rgb(165, 192, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 192, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 192, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 192, 166);  
box-shadow:4px 4px 4px 4px rgb(165, 192,  
166) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4518, 0.3103, 0.3644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 192, 166) }
```

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

```
.background{ background-color: rgb(165,  
192, 166) }
```

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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