

# Converting Colors

$Yxy(48.3611, 0.3110, 0.3593)$

Have a look what the booklet for  
Yxy(48.3611, 0.3110, 0.3593)  
contains.

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# Color

**Yxy(48.4136, 0.3113, 0.3601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8BFA8
RGB	168, 191, 168
RGB Percent	66%, 75%, 66%
CMY	0.3410, 0.2510, 0.3412
CMYK	0.12, 0.00, 0.12, 0.25
HSL	120°, 15%, 70%
HSV	120°, 12%, 75%
XYZ	41.8527, 48.4136, 44.1786
YIQ	181.5010, -6.3250, -12.0290

# Conversions

## Conversions Part 2

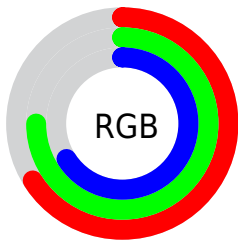
Format	Color
<a href="#">RYB</a>	<a href="#">168, 191, 191</a>
Decimal	<a href="#">11059112</a>
CIELab	<a href="#">75.09, -12.22, 8.98</a>
CIELCh	<a href="#">75, 15.161, 143.680</a>
Yxy	<a href="#">48.4136, 0.3113, 0.3601</a>
Android (android.graphics.Color)	<a href="#">4289249192</a> ( <a href="#">0xFFA8BFA8</a> )
YUV	<a href="#">181.5010, -6.6560, -11.8404</a>
Hunter-Lab	<a href="#">69.5799, -14.3960, 11.0607</a>

# Details

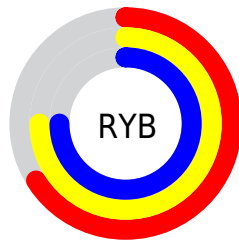
The Yxy color **48.4136, 0.3113, 0.3601** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8314, 0.3140, 0.2997**, and the grayscale version is **46.5374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5372, 0.3115, 0.3541**, and **23.1509, 0.3108, 0.3701** is the 20% darker color. If you saturate the color by 10%, you get **45.8142, 0.3099, 0.3897**, and if you desaturate by 10%, it is **51.4282, 0.3125, 0.3339**.

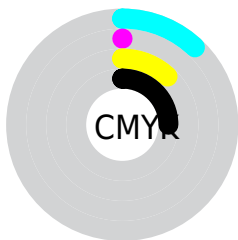
# Distribution



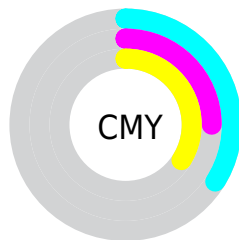
- Red (66%)
- Green (75%)
- Blue (66%)



- Red (66%)
- Yellow (75%)
- Blue (75%)



- Cyan (12%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)




- Cyan (34%)
- Magenta (25%)
- Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4136, 0.3113, 0.3601 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 48.4136, 0.3113, 0.3601 by changing the saturation by 10% instead.





 48.4136, 0.3113,  
0.3601


 48.4136, 0.3113,  
0.3601


380.4292, 0.3122,  
0.3443

 34.1545, 0.3110,  
0.3641


 87.8199, 0.3116,  
0.3543

 23.0123, 0.3107,  
0.3693


 113.7359, 0.3118,  
0.3522

 14.6026, 0.3101,  
0.3763


144.3064, 0.3119,  
0.3504

 8.5410, 0.3093,  
0.3862

179.9157, 0.3119,  
0.3488

 4.4430, 0.3078,  
0.4013

220.9482, 0.3120,  
0.3475

 1.9243, 0.3047,  
0.4271

267.7884, 0.3121,


 0.5629, 0.2961,


0.3463


0.7039


320.8206, 0.3121,  
0.3453


 0.0000, 0.0000,  
0.0000


 48.4136, 0.3113,  
0.3601

 48.4136, 0.3113,  
0.3601


 45.8142, 0.3099,  
0.3897


 51.4282, 0.3125,  
0.3339


 43.6059, 0.3084,  
0.4224


 54.8686, 0.3135,  
0.3111

 41.7718, 0.3068,  
0.4574

 58.7525, 0.3144,  
0.2915

 40.2911, 0.3052,  
0.4930

 63.0950, 0.3152,  
0.2746

 39.1411, 0.3036,  
0.5270

 65.7395, 0.3157,  
0.2663

■ 38.2964, 0.3022,  
0.5567

■ 37.7280, 0.3011,  
0.5794

■ 37.4012, 0.3004,  
0.5936

■ 37.2623, 0.3000,  
0.6000

# Harmonies

## Analogous

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



48.4136, 0.3320, 0.3661



48.4136, 0.3113, 0.3601



48.4136, 0.2915, 0.3449

# Triad

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



48.4136, 0.3113, 0.3601



48.4136, 0.2783, 0.2966



48.4136, 0.3491, 0.3309

# Complementary

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



48.4136, 0.3113, 0.3601



42.8314, 0.3140, 0.2997

# 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.



48.4136, 0.3338, 0.3137



48.4136, 0.3113, 0.3601



48.4136, 0.2928, 0.2942

# Square

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



48.4136, 0.3113, 0.3601



48.4136, 0.2728, 0.3077



48.4136, 0.3130, 0.3004



48.4136, 0.3543, 0.3483



# Rectangle

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



48.4136, 0.3113, 0.3601



48.4136, 0.2813, 0.3319



48.4136, 0.3130, 0.3004



48.4136, 0.3449, 0.3249

# Sweetspot

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



48.4157, 0.3113, 0.3601



90.9640, 0.3123, 0.3389



50.9949, 0.3305, 0.3579



19.8813, 0.3122, 0.3409



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

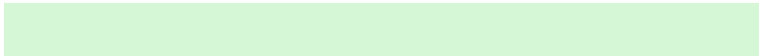


# Same Dimension

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



48.4157, 0.3113, 0.3601



85.6421, 0.3110, 0.3663



48.8422, 0.3031, 0.3448



10.6507, 0.3116, 0.3527



24.4902, 0.3001, 0.6000



0.9597, 0.3003, 0.5998



# Inverse Universe

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



42.8314, 0.3140, 0.2997



74.0086, 0.3143, 0.2944



42.3672, 0.3236, 0.3137



9.6951, 0.3137, 0.3064



9.7143, 0.3204, 0.1538

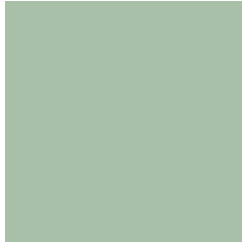


0.3809, 0.3205, 0.1539



# Previews

## White Background



This preview shows how the Yxy color 48.4136, 0.3113, 0.3601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

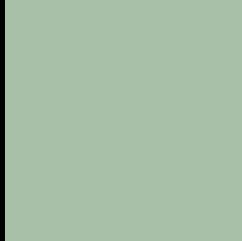
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.4136, 0.3113, 0.3601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

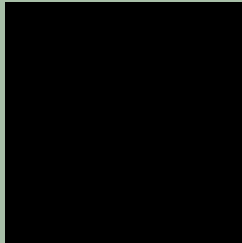
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.4136, 0.3113, 0.3601**

## Background



This preview shows how black text looks on a background with the Yxy color 48.4136, 0.3113, 0.3601.



This preview shows how white text looks on a background with the Yxy color 48.4136, 0.3113, 0.3601.

# 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

48.4136, 0.3113, 0.3601

### Protanopia

48.2988, 0.3366, 0.3547

### Deuteranopia

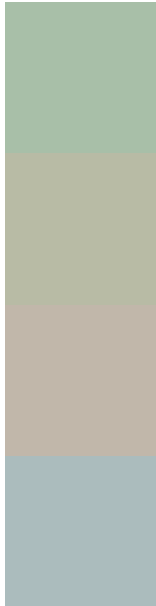
48.1910, 0.3453, 0.3377



## Tritanopia

48.2191, 0.2911, 0.3096

# Trichromacy



## Original Color

48.4136, 0.3113, 0.3601

## Protanomaly

48.4476, 0.3274, 0.3578

## Deuteranomaly

48.1067, 0.3318, 0.3457

## Tritanomaly

48.2985, 0.2982, 0.3276

# Monochromacy



## Original Color

48.4136, 0.3113, 0.3601

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.2194, 0.3122, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.4136, 0.3113, 0.3601 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(168, 191, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 191, 168)  
}
```

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(168, 191, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 191, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 48.4136, 0.3113, 0.3601 is called "border". The border property can be set on classes, ids or directly on the HTML element.

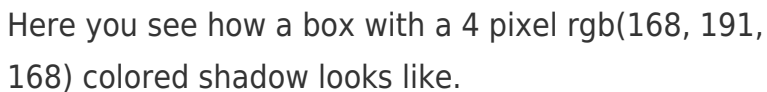
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 191, 168) }
```

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

```
.border{ border-color:rgb(168, 191, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 191, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 191, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 191, 168); box-shadow:4px 4px 4px 4px rgb(168, 191, 168) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.4136, 0.3113, 0.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 191, 168) }
```

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

```
.background{ background-color: rgb(168,  
191, 168) }
```

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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