

# Converting Colors

Yxy(63.0083, 0.3116, 0.3758)

Have a look what the booklet for  
Yxy(63.0083, 0.3116, 0.3758)  
contains.

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# Color

**Yxy(62.7448, 0.3113, 0.3748)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | B5D9B4                      |
| RGB         | 181, 217, 180               |
| RGB Percent | 71%, 85%, 71%               |
| CMY         | 0.2900, 0.1490, 0.2941      |
| CMYK        | 0.17, 0.00, 0.17, 0.15      |
| HSL         | 118°, 33%, 78%              |
| HSV         | 118°, 17%, 85%              |
| XYZ         | 52.1143, 62.7448, 52.5496   |
| YIQ         | 202.0180, -9.5790, -19.1390 |

# Conversions

## Conversions Part 2

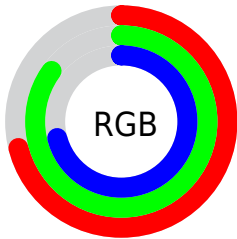
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 180, 217, 216                   |
| Decimal                             | 11917748                        |
| CIELab                              | 83.31, -18.81, 14.34            |
| CIELCh                              | 83, 23.656, 142.682             |
| Yxy                                 | 62.7448, 0.3113,<br>0.3748      |
| Android<br>(android.graphics.Color) | 4290107828<br>(0xFFB5D9B4)      |
| YUV                                 | 202.0180, -10.8549,<br>-18.4328 |
| Hunter-Lab                          | 79.2116, -21.1829,<br>16.1147   |

# Details

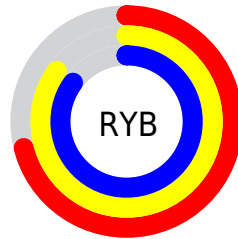
The Yxy color **62.7448, 0.3113, 0.3748** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.2511, 0.3138, 0.2869**, and the grayscale version is **59.1538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5807, 0.3124, 0.3480**, and **31.9622, 0.3109, 0.3874** is the 20% darker color. If you saturate the color by 10%, you get **59.5702, 0.3102, 0.4062**, and if you desaturate by 10%, it is **66.4494, 0.3122, 0.3467**.

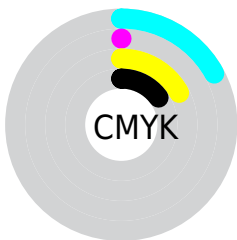
# Distribution



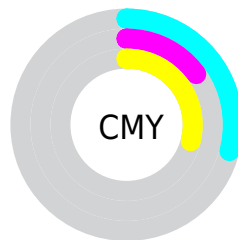
- Red (71%)
- Green (85%)
- Blue (71%)



- Red (71%)
- Yellow (85%)
- Blue (85%)



- Cyan (17%)
- Magenta (0%)
- Yellow (17%)
- Black (15%)




- Cyan (29%)
- Magenta (15%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.7448, 0.3113, 0.3748 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 62.7448, 0.3113, 0.3748 by changing the saturation by 10% instead.




 62.7448, 0.3113,  
0.3748

 62.7448, 0.3113,  
0.3748


434.6427, 0.3123,  
0.3524

 45.6348, 0.3110,  
0.3802

 108.8013, 0.3117,  
0.3668

 31.9577, 0.3105,  
0.3872


138.5165, 0.3119,  
0.3637

 21.3292, 0.3098,  
0.3962


173.2022, 0.3120,  
0.3611

 13.3649, 0.3087,  
0.4086

213.2429, 0.3121,  
0.3589

 7.6803, 0.3069,  
0.4264

259.0229, 0.3121,  
0.3570

 3.8910, 0.3033,  
0.4543


310.9266, 0.3122,

 1.6128, 0.2991,


0.3552


0.5105

369.3384, 0.3123,  
0.3537

 0.3662, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000

 62.7448, 0.3113,  
0.3748


 62.7448, 0.3113,  
0.3748


 59.5702, 0.3102,  
0.4062


 66.4494, 0.3122,  
0.3467


 56.8939, 0.3090,  
0.4403

 70.6983, 0.3129,  
0.3221

 54.6929, 0.3075,  
0.4759

 75.5150, 0.3135,  
0.3007

 52.9396, 0.3059,  
0.5111

 78.1034, 0.3145,  
0.2920

■ 51.6031, 0.3043,  
0.5432

■ 50.6489, 0.3028,  
0.5695

■ 50.0370, 0.3015,  
0.5879

■ 49.7175, 0.3006,  
0.5977

■ 49.6622, 0.3005,  
0.5996

# Harmonies

## Analogous

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



62.7448, 0.3408, 0.3825



62.7448, 0.3113, 0.3748



62.7448, 0.2831, 0.3527

# Triad

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



62.7448, 0.3113, 0.3748



62.7448, 0.2635, 0.2832



62.7448, 0.3645, 0.3303

# Complementary

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



62.7448, 0.3113, 0.3748



52.2511, 0.3138, 0.2869

# 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.



62.7448, 0.3419, 0.3065



62.7448, 0.3113, 0.3748



62.7448, 0.2834, 0.2799

# Square

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



62.7448, 0.3113, 0.3748



62.7448, 0.2564, 0.2988



62.7448, 0.3119, 0.2884



62.7448, 0.3724, 0.3550



# Rectangle

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



62.7448, 0.3113, 0.3748



62.7448, 0.2687, 0.3338



62.7448, 0.3119, 0.2884



62.7448, 0.3583, 0.3220

# Sweetspot

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



62.7475, 0.3113, 0.3748



96.9301, 0.3123, 0.3415



67.0370, 0.3384, 0.3698



20.6582, 0.3123, 0.3434



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

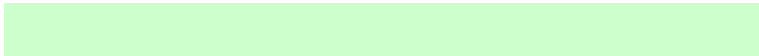


# Same Dimension

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



62.7475, 0.3113, 0.3748



88.9178, 0.3110, 0.3843



63.3717, 0.2994, 0.3530



14.6234, 0.3120, 0.3531



30.0718, 0.3006, 0.5995



1.9544, 0.3026, 0.5979



# Inverse Universe

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



52.2511, 0.3138, 0.2869



71.3984, 0.3140, 0.2790



51.5561, 0.3286, 0.3061



13.2555, 0.3134, 0.3059



11.4223, 0.3140, 0.1504

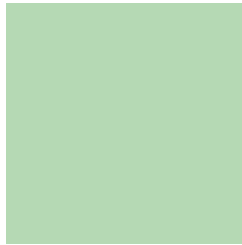


0.7459, 0.3152, 0.1510



# Previews

## White Background



This preview shows how the Yxy color 62.7448, 0.3113, 0.3748 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

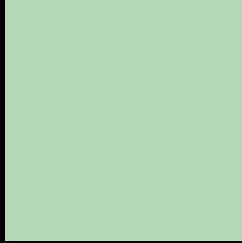
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.7448, 0.3113, 0.3748 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

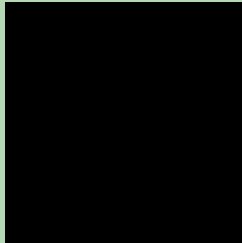
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

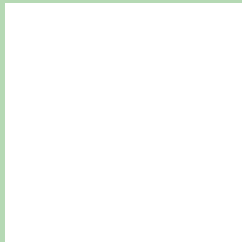
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.7448, 0.3113, 0.3748**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.7448, 0.3113, 0.3748.



This preview shows how white text looks on a background with the Yxy color 62.7448, 0.3113, 0.3748.

# 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

62.7448, 0.3113, 0.3748

### Protanopia

62.6262, 0.3446, 0.3660

### Deuteranopia

62.6021, 0.3539, 0.3467



## Tritanopia

62.4581, 0.2866, 0.3091

# Trichromacy



## Original Color

62.7448, 0.3113, 0.3748

## Protanomaly

62.7420, 0.3320, 0.3693

## Deuteranomaly

62.1604, 0.3372, 0.3556

## Tritanomaly

62.6807, 0.2954, 0.3325

# Monochromacy



## Original Color

62.7448, 0.3113, 0.3748

## Achromatopsia

59.0619, 0.3127, 0.3290

## Achromatomaly

59.9900, 0.3120, 0.3447

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.7448, 0.3113, 0.3748 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(181, 217, 180)` looks like.

```
.text, #text, p{  
    color:rgb(181, 217, 180)  
}
```

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(181, 217, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 217, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 62.7448, 0.3113, 0.3748 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(181, 217, 180) }
```

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

```
.border{ border-color:rgb(181, 217, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 217, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 217, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 217, 180);  
box-shadow:4px 4px 4px 4px rgb(181, 217,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.7448, 0.3113, 0.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 217, 180) }
```

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

```
.background{ background-color: rgb(181,  
217, 180) }
```

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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