

# Converting Colors

Yxy(62.4448, 0.3178, 0.3838)

Have a look what the booklet for  
Yxy(62.4448, 0.3178, 0.3838)  
contains.

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# Color

**Yxy(62.6715, 0.3180, 0.3848)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7D9AC
RGB	183, 217, 172
RGB Percent	72%, 85%, 67%
CMY	0.2823, 0.1490, 0.3254
CMYK	0.16, 0.00, 0.21, 0.15
HSL	105°, 37%, 76%
HSV	105°, 21%, 85%
XYZ	51.7919, 62.6715, 48.4043
YIQ	201.7040, -5.8190, -21.2030

# Conversions

## Conversions Part 2

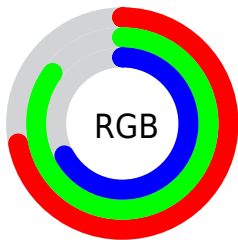
<b>Format</b>	<b>Color</b>
<b>RYB</b>	172, 217, 206
Decimal	12048812
CIELab	83.27, -19.49, 18.51
CIElCh	83, 26.882, 136.476
Yxy	62.6715, 0.3180, 0.3848
Android (android.graphics.Color)	4290238892 (0xFFB7D9AC)
YUV	201.7040, -14.6441, -16.4034
Hunter-Lab	79.1653, -21.7602, 19.1639

# Details

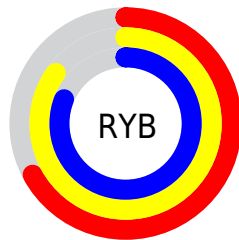
The Yxy color  $62.6715, 0.3180, 0.3848$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $47.6426, 0.3058, 0.2763$ , and the grayscale version is  $58.9682, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $95.4722, 0.3183, 0.3560$ , and  $31.9426, 0.3188, 0.3990$  is the 20% darker color. If you saturate the color by 10%, you get  $60.0125, 0.3201, 0.4157$ , and if you desaturate by 10%, it is  $65.7062, 0.3156, 0.3564$ .

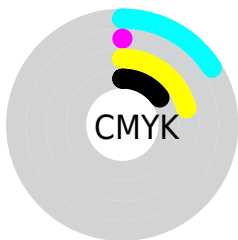
# Distribution



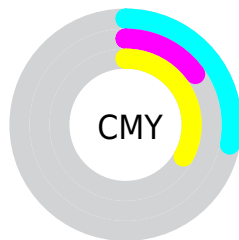
- Red (72%)
- Green (85%)
- Blue (67%)



- Red (67%)
- Yellow (85%)
- Blue (81%)



- Cyan (16%)
- Magenta (0%)
- Yellow (21%)
- Black (15%)




- Cyan (28%)
- Magenta (15%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.6715, 0.3180, 0.3848 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 62.6715, 0.3180, 0.3848 by changing the saturation by 10% instead.




 62.6715, 0.3180,  
0.3848

 62.6715, 0.3180,  
0.3848


434.3763, 0.3159,  
0.3574

 45.5755, 0.3183,  
0.3915


 108.6954, 0.3174,  
0.3750

 31.9110, 0.3187,  
0.3999


138.3922, 0.3171,  
0.3713

 21.2935, 0.3190,  
0.4110


173.0580, 0.3169,  
0.3681

 13.3387, 0.3192,  
0.4261

213.0772, 0.3166,  
0.3654

 7.6622, 0.3189,  
0.4479

258.8342, 0.3164,  
0.3630

 3.8796, 0.3172,  
0.4817

310.7135, 0.3163,

 1.6064, 0.3256,

0.3609

0.5667

369.0994, 0.3161,  
0.3591

0.3619, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.6715, 0.3180,  
0.3848

62.6715, 0.3180,  
0.3848

60.0125, 0.3201,  
0.4157

65.7062, 0.3156,  
0.3564

57.7064, 0.3215,  
0.4485

69.1222, 0.3129,  
0.3308

55.7405, 0.3221,  
0.4818

72.9353, 0.3102,  
0.3080

54.0978, 0.3217,  
0.5140

76.9097, 0.3100,  
0.2915

■ 52.7601, 0.3200,  
0.5429

■ 78.1054, 0.3145,  
0.2920

■ 51.7069, 0.3171,  
0.5665

■ 50.9151, 0.3132,  
0.5831

■ 50.3843, 0.3092,  
0.5927

# Harmonies

## Analogous

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



62.6715, 0.3507, 0.3894



62.6715, 0.3180, 0.3848



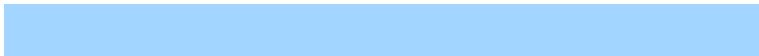
62.6715, 0.2851, 0.3623

# Triad

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



62.6715, 0.3180, 0.3848



62.6715, 0.2542, 0.2796



62.6715, 0.3675, 0.3244

# Complementary

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



62.6715, 0.3180, 0.3848



47.6426, 0.3058, 0.2763

# 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.



62.6715, 0.3391, 0.2986



62.6715, 0.3180, 0.3848



62.6715, 0.2738, 0.2732

# Square

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



62.6715, 0.3180, 0.3848



62.6715, 0.2494, 0.2997



62.6715, 0.3045, 0.2803



62.6715, 0.3804, 0.3525



# Rectangle

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



62.6715, 0.3180, 0.3848



62.6715, 0.2673, 0.3412



62.6715, 0.3045, 0.2803



62.6715, 0.3594, 0.3153

# Sweetspot

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



62.6742, 0.3180, 0.3848



96.9269, 0.3143, 0.3440



61.7550, 0.3462, 0.3682



20.6774, 0.3145, 0.3457



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

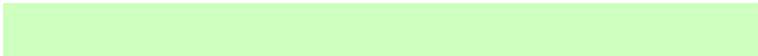


# Same Dimension

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



62.6742, 0.3180, 0.3848



88.5353, 0.3190, 0.3984



61.8278, 0.3028, 0.3714



14.7592, 0.3152, 0.3529



30.5417, 0.3100, 0.5921



2.0189, 0.3216, 0.5828



# Inverse Universe

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



47.6426, 0.3058, 0.2763



63.0125, 0.3039, 0.2643



48.7073, 0.3244, 0.2900



13.1061, 0.3099, 0.3057



7.8571, 0.2600, 0.1206

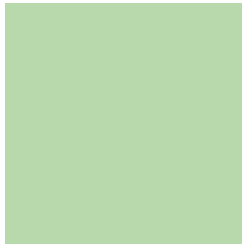


0.5481, 0.2704, 0.1263



# Previews

## White Background



This preview shows how the Yxy color 62.6715, 0.3180, 0.3848 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

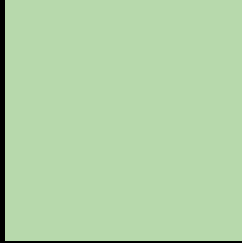
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.6715, 0.3180, 0.3848 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

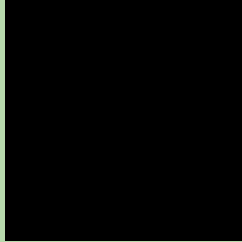
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 62.6715, 0.3180, 0.3848**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.6715, 0.3180, 0.3848.

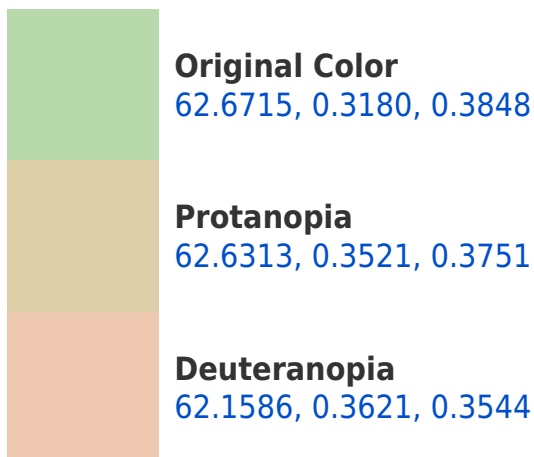


This preview shows how white text looks on a background with the Yxy color 62.6715, 0.3180, 0.3848.

# 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

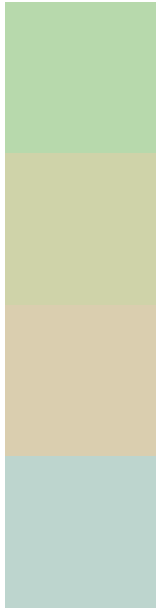




## Tritanopia

62.7906, 0.2892, 0.3104

# Trichromacy



**Original Color**

62.6715, 0.3180, 0.3848

**Protanomaly**

62.7185, 0.3393, 0.3788

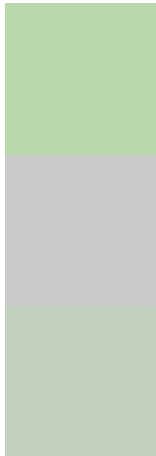
**Deuteranomaly**

62.1432, 0.3448, 0.3649

**Tritanomaly**

62.8635, 0.3001, 0.3373

# Monochromacy



**Original Color**

62.6715, 0.3180, 0.3848

**Achromatopsia**

59.0619, 0.3127, 0.3290

**Achromatomaly**

59.9893, 0.3148, 0.3483

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.6715, 0.3180, 0.3848 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(183, 217, 172)` looks like.

```
.text, #text, p{  
    color:rgb(183, 217, 172)  
}
```

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(183, 217, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 217, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 62.6715, 0.3180, 0.3848 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(183, 217, 172) }
```

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

```
.border{ border-color:rgb(183, 217, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 217, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 217, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 217, 172);  
box-shadow:4px 4px 4px 4px rgb(183, 217,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.6715, 0.3180, 0.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 217, 172) }
```

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

```
.background{ background-color: rgb(183,  
217, 172) }
```

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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