

# Converting Colors

Yxy(62.3471, 0.3147, 0.3822)

Have a look what the booklet for  
Yxy(62.3471, 0.3147, 0.3822)  
contains.

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# Color

**Yxy(62.3850, 0.3145, 0.3826)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4D9AE
RGB	180, 217, 174
RGB Percent	71%, 85%, 68%
CMY	0.2940, 0.1490, 0.3176
CMYK	0.17, 0.00, 0.20, 0.15
HSL	112°, 36%, 77%
HSV	112°, 20%, 85%
XYZ	51.2809, 62.3850, 49.3895
YIQ	201.0350, -8.2490, -21.2170

# Conversions

## Conversions Part 2

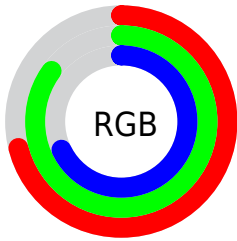
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 217, 211
Decimal	11852206
CIELab	83.12, -20.19, 17.22
CIElCh	83, 26.535, 139.530
Yxy	62.3850, 0.3145, 0.3826
Android (android.graphics.Color)	4290042286 (0xFFB4D9AE)
YUV	201.0350, -13.3283, -18.4477
Hunter-Lab	78.9842, -22.3302, 18.2144

# Details

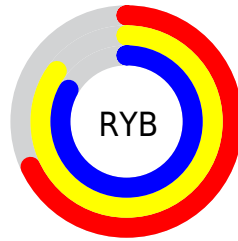
The Yxy color **62.3850, 0.3145, 0.3826** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.1337, 0.3099, 0.2793**, and the grayscale version is **58.5243, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0660, 0.3153, 0.3541**, and **31.7332, 0.3150, 0.3979** is the 20% darker color. If you saturate the color by 10%, you get **59.5168, 0.3150, 0.4141**, and if you desaturate by 10%, it is **65.6969, 0.3137, 0.3540**.

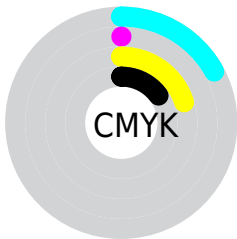
# Distribution



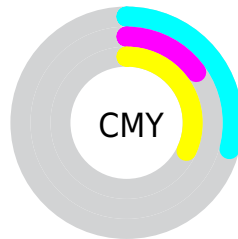
- Red (71%)
- Green (85%)
- Blue (68%)



- Red (68%)
- Yellow (85%)
- Blue (83%)



- Cyan (17%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)




- Cyan (29%)
- Magenta (15%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3850, 0.3145, 0.3826 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 62.3850, 0.3145, 0.3826 by changing the saturation by 10% instead.



 62.3850, 0.3145,  
0.3826

 62.3850, 0.3145,  
0.3826


433.3341, 0.3141,  
0.3563

 45.3439, 0.3145,  
0.3890

 108.2818, 0.3145,  
0.3731

 31.7284, 0.3144,  
0.3972

137.9062, 0.3144,  
0.3696

 21.1541, 0.3141,  
0.4079


172.4938, 0.3144,  
0.3665

 13.2367, 0.3135,  
0.4225

212.4291, 0.3143,  
0.3639

 7.5917, 0.3122,  
0.4436

258.0963, 0.3142,  
0.3616

 3.8348, 0.3090,  
0.4767

309.8800, 0.3142,

 1.5816, 0.3120,

0.3596

0.5555

368.1644, 0.3141,  
0.3578

0.3452, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.3850, 0.3145,  
0.3826

62.3850, 0.3145,  
0.3826

59.5168, 0.3150,  
0.4141

65.6969, 0.3137,  
0.3540

57.0657, 0.3151,  
0.4477

69.4620, 0.3127,  
0.3285

55.0146, 0.3146,  
0.4823

73.6993, 0.3116,  
0.3062

53.3420, 0.3134,  
0.5159

78.0443, 0.3142,  
0.2920

■ 52.0244, 0.3116,  
0.5461

■ 78.1044, 0.3145,  
0.2920

■ 51.0355, 0.3091,  
0.5706

■ 50.3453, 0.3063,  
0.5875

■ 49.9123, 0.3035,  
0.5971

■ 49.9059, 0.3035,  
0.5972

# Harmonies

## Analogous

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



62.3850, 0.3473, 0.3891



62.3850, 0.3145, 0.3826



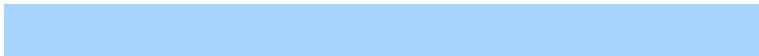
62.3850, 0.2824, 0.3589

# Triad

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



62.3850, 0.3145, 0.3826



62.3850, 0.2562, 0.2788



62.3850, 0.3690, 0.3273

# Complementary

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



62.3850, 0.3145, 0.3826



49.1337, 0.3099, 0.2793

# 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.



62.3850, 0.3421, 0.3013



62.3850, 0.3145, 0.3826



62.3850, 0.2769, 0.2739

# Square

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



62.3850, 0.3145, 0.3826



62.3850, 0.2499, 0.2974



62.3850, 0.3080, 0.2822



62.3850, 0.3799, 0.3550



# Rectangle

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



62.3850, 0.3145, 0.3826



62.3850, 0.2655, 0.3377



62.3850, 0.3080, 0.2822



62.3850, 0.3614, 0.3182

# Sweetspot

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



62.3877, 0.3145, 0.3826



96.6425, 0.3133, 0.3441



64.1731, 0.3437, 0.3711



20.6104, 0.3134, 0.3458



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

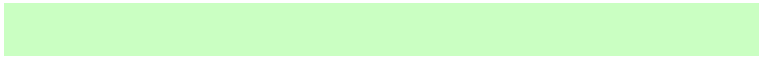


# Same Dimension

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



62.3877, 0.3145, 0.3826



88.0133, 0.3148, 0.3962



62.3014, 0.3005, 0.3638



14.6932, 0.3137, 0.3530



30.2382, 0.3040, 0.5968



1.9876, 0.3127, 0.5899



# Inverse Universe

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



49.1337, 0.3099, 0.2793



65.3866, 0.3091, 0.2679



49.2910, 0.3274, 0.2966



13.1777, 0.3116, 0.3058



9.4352, 0.2860, 0.1349

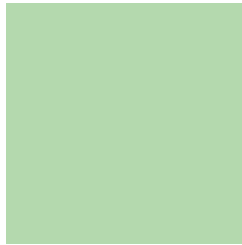


0.6372, 0.2920, 0.1382



# Previews

## White Background



This preview shows how the Yxy color 62.3850, 0.3145, 0.3826 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 62.3850, 0.3145, 0.3826 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

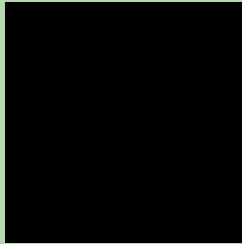
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

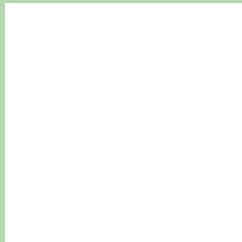
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.3850, 0.3145, 0.3826**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3850, 0.3145, 0.3826.



This preview shows how white text looks on a background with the Yxy color 62.3850, 0.3145, 0.3826.

# 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

62.3850, 0.3145, 0.3826

### Protanopia

62.0673, 0.3501, 0.3718

### Deuteranopia

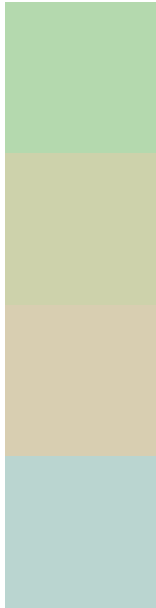
62.0657, 0.3597, 0.3522



## Tritanopia

62.4581, 0.2866, 0.3091

# Trichromacy



**Original Color**

62.3850, 0.3145, 0.3826

**Protanomaly**

62.0126, 0.3365, 0.3755

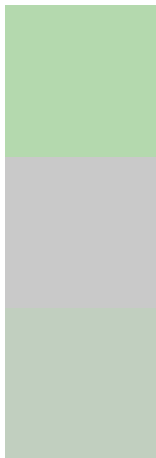
**Deuteranomaly**

61.9159, 0.3417, 0.3627

**Tritanomaly**

62.5817, 0.2967, 0.3349

# Monochromacy



**Original Color**

62.3850, 0.3145, 0.3826

**Achromatopsia**

58.4078, 0.3127, 0.3290

**Achromatomaly**

59.7247, 0.3133, 0.3484

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3850, 0.3145, 0.3826 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(180, 217, 174)` looks like.

```
.text, #text, p{  
    color:rgb(180, 217, 174)  
}
```

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(180, 217, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 217, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3850, 0.3145, 0.3826 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(180, 217, 174) }
```

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

```
.border{ border-color:rgb(180, 217, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 217, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 217, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 217, 174);  
box-shadow:4px 4px 4px 4px rgb(180, 217,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3850, 0.3145, 0.3826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 217, 174) }
```

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

```
.background{ background-color: rgb(180,  
217, 174) }
```

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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