

# Converting Colors

$Yxy(62.9667, 0.3003, 0.3522)$

Have a look what the booklet for  
Yxy(62.9667, 0.3003, 0.3522)  
contains.

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# Color

**Yxy(62.9667, 0.3003, 0.3522)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5D8C5
RGB	181, 216, 197
RGB Percent	71%, 85%, 77%
CMY	0.2902, 0.1529, 0.2276
CMYK	0.16, 0.00, 0.09, 0.15
HSL	147°, 31%, 78%
HSV	147°, 16%, 85%
XYZ	53.6880, 62.9667, 62.1264
YIQ	203.3690, -14.7610, -13.3290

# Conversions

## Conversions Part 2

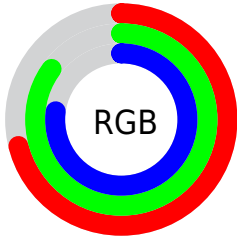
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 205, 216
Decimal	11917509
CIELab	83.42, -15.24, 5.54
CIELCh	83, 16.214, 160.025
Yxy	62.9667, 0.3003, 0.3522
Android (android.graphics.Color)	4290107589 (0xFFB5D8C5)
YUV	203.3690, -3.1399, -19.6176
Hunter-Lab	79.3516, -18.0951, 9.1264

# Details

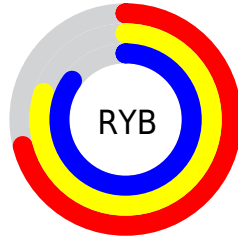
The Yxy color **62.9667, 0.3003, 0.3522** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.8235, 0.3273, 0.3069**, and the grayscale version is **59.9930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6803, 0.3023, 0.3300**, and **32.0621, 0.2975, 0.3585** is the 20% darker color. If you saturate the color by 10%, you get **60.0395, 0.2930, 0.3687**, and if you desaturate by 10%, it is **66.3461, 0.3079, 0.3374**.

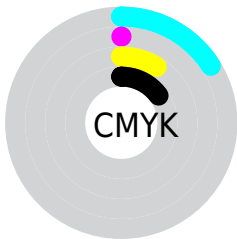
# Distribution



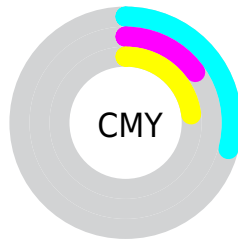
- Red (71%)
- Green (85%)
- Blue (77%)



- Red (71%)
- Yellow (80%)
- Blue (85%)



- Cyan (16%)
- Magenta (0%)
- Yellow (9%)
- Black (15%)




- Cyan (29%)
- Magenta (15%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9667, 0.3003, 0.3522 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 62.9667, 0.3003, 0.3522 by changing the saturation by 10% instead.




 62.9667, 0.3003,  
0.3522

 62.9667, 0.3003,  
0.3522

435.4486, 0.3063,  
0.3410

 45.8143, 0.2989,  
0.3549

 109.1215, 0.3024,  
0.3482

 32.0993, 0.2971,  
0.3583


138.8926, 0.3032,  
0.3467

 21.4373, 0.2947,  
0.3627


173.6387, 0.3039,  
0.3454

 13.4441, 0.2915,  
0.3687

213.7443, 0.3045,  
0.3443

 7.7350, 0.2870,  
0.3773

259.5937, 0.3051,  
0.3433

 3.9259, 0.2800,  
0.3905

311.5713, 0.3055,

 1.6322, 0.2678,

0.3424

0.4137

370.0614, 0.3059,  
0.3417

0.3792, 0.0000,  
0.9368

0.0000, 0.0000,  
0.0000

62.9667, 0.3003,  
0.3522

62.9667, 0.3003,  
0.3522

60.0395, 0.2930,  
0.3687

66.3461, 0.3079,  
0.3374

57.5369, 0.2863,  
0.3868

70.1879, 0.3157,  
0.3242

55.4405, 0.2806,  
0.4063

74.5122, 0.3233,  
0.3125

53.7275, 0.2760,  
0.4269

76.9048, 0.3219,  
0.3015

■ 52.3726, 0.2731,  
0.4483

■ 77.5949, 0.3145,  
0.2910

■ 51.3475, 0.2720,  
0.4697

■ 50.6190, 0.2729,  
0.4905

■ 50.1462, 0.2757,  
0.5100

■ 50.0061, 0.2770,  
0.5171

# Harmonies

## Analogous

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



62.9667, 0.3208, 0.3634



62.9667, 0.3003, 0.3522



62.9667, 0.2835, 0.3343

# Triad

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



62.9667, 0.3003, 0.3522



62.9667, 0.2858, 0.2948



62.9667, 0.3525, 0.3404

# Complementary

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



62.9667, 0.3003, 0.3522



51.8235, 0.3273, 0.3069

# 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.



62.9667, 0.3425, 0.3229



62.9667, 0.3003, 0.3522



62.9667, 0.3036, 0.2972

# Square

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



62.9667, 0.3003, 0.3522



62.9667, 0.2753, 0.3012



62.9667, 0.3244, 0.3074



62.9667, 0.3514, 0.3557



# Rectangle

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



62.9667, 0.3003, 0.3522



62.9667, 0.2765, 0.3214



62.9667, 0.3244, 0.3074



62.9667, 0.3503, 0.3346

# Sweetspot

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



62.9693, 0.3003, 0.3522



97.2228, 0.3088, 0.3358



64.7662, 0.3249, 0.3706



20.7291, 0.3083, 0.3368



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

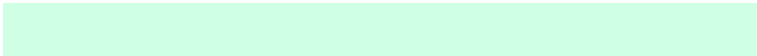


# Same Dimension

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



62.9693, 0.3003, 0.3522



90.3578, 0.2981, 0.3569



63.8078, 0.2894, 0.3310



13.9892, 0.3054, 0.3420



29.6179, 0.2762, 0.5143



1.8030, 0.2669, 0.4808



# Inverse Universe

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



51.8235, 0.3273, 0.3069



71.5458, 0.3305, 0.3027



51.0599, 0.3418, 0.3270



12.5327, 0.3207, 0.3164



9.4305, 0.4762, 0.2397



0.5854, 0.4421, 0.2209



# Previews

## White Background



This preview shows how the Yxy color 62.9667, 0.3003, 0.3522 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

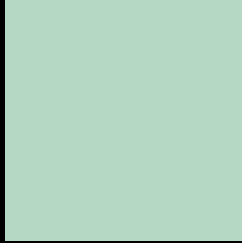
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.9667, 0.3003, 0.3522 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

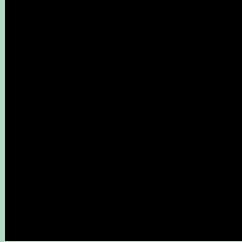
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

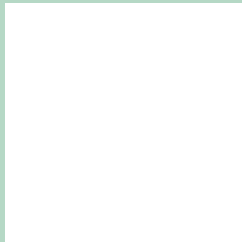
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.9667, 0.3003, 0.3522**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9667, 0.3003, 0.3522.

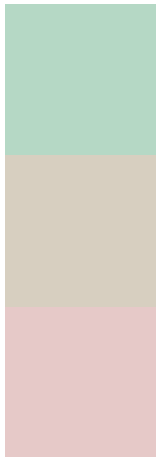


This preview shows how white text looks on a background with the Yxy color 62.9667, 0.3003, 0.3522.

# 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

62.9667, 0.3003, 0.3522

### Protanopia

62.8785, 0.3296, 0.3463

### Deuteranopia

62.7664, 0.3364, 0.3302



## Tritanopia

62.7548, 0.2847, 0.3091

# Trichromacy



## Original Color

62.9667, 0.3003, 0.3522

## Protanomaly

62.6847, 0.3186, 0.3478

## Deuteranomaly

62.2632, 0.3223, 0.3371

## Tritanomaly

62.9125, 0.2903, 0.3242

# Monochromacy



## Original Color

62.9667, 0.3003, 0.3522

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

60.9309, 0.3078, 0.3373

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9667, 0.3003, 0.3522 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, 216, 197)` looks like.

```
.text, #text, p{  
    color:rgb(181, 216, 197)  
}
```

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, 216, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 216, 197) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9667, 0.3003, 0.3522 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, 216, 197) }
```

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

```
.border{ border-color:rgb(181, 216, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 216, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 216, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 216, 197);  
box-shadow:4px 4px 4px 4px rgb(181, 216,  
197) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9667, 0.3003, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 216, 197) }
```

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

```
.background{ background-color: rgb(181,  
216, 197) }
```

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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