

# Converting Colors

$Yxy(63.2936, 0.3208, 0.3829)$

Have a look what the booklet for  
Yxy(63.2936, 0.3208, 0.3829)  
contains.

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# Color

**Yxy(63.3342, 0.3210, 0.3829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCD9AD
RGB	188, 217, 173
RGB Percent	74%, 85%, 68%
CMY	0.2628, 0.1490, 0.3214
CMYK	0.13, 0.00, 0.20, 0.15
HSL	100°, 37%, 76%
HSV	100°, 20%, 85%
XYZ	53.0955, 63.3342, 48.9769
YIQ	203.3130, -3.1600, -19.8320

# Conversions

## Conversions Part 2

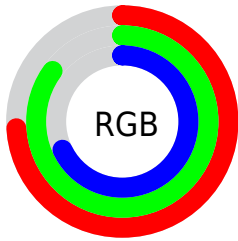
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 217, 202
Decimal	12376493
CIELab	83.62, -17.60, 18.51
CIElCh	84, 25.543, 133.544
Yxy	63.3342, 0.3210, 0.3829
Android (android.graphics.Color)	4290566573 (0xFFBCD9AD)
YUV	203.3130, -14.9443, -13.4295
Hunter-Lab	79.5828, -20.1794, 19.2197

# Details

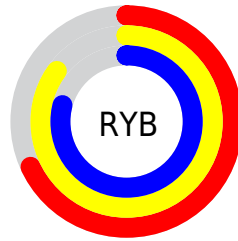
The Yxy color **63.3342, 0.3210, 0.3829** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.4723, 0.3025, 0.2770**, and the grayscale version is **60.0271, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4102, 0.3209, 0.3548**, and **32.2895, 0.3218, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **60.8347, 0.3246, 0.4130**, and if you desaturate by 10%, it is **66.1560, 0.3170, 0.3550**.

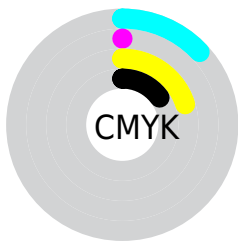
# Distribution



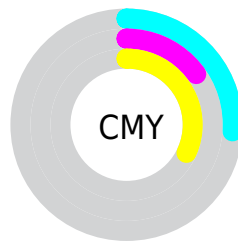
- Red (74%)
- Green (85%)
- Blue (68%)



- Red (68%)
- Yellow (85%)
- Blue (79%)



- Cyan (13%)
- Magenta (0%)
- Yellow (20%)
- Black (15%)



- Cyan (26%)
- Magenta (15%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3342, 0.3210, 0.3829 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 63.3342, 0.3210, 0.3829 by changing the saturation by 10% instead.



■ 63.3342, 0.3210,  
0.3829

■ 63.3342, 0.3210,  
0.3829

436.7814, 0.3175,  
0.3566

■ 46.1116, 0.3217,  
0.3893

■ 109.6515, 0.3199,  
0.3735

■ 32.3339, 0.3225,  
0.3974

139.5151, 0.3194,  
0.3699

■ 21.6167, 0.3234,  
0.4079

174.3610, 0.3190,  
0.3668

■ 13.5755, 0.3244,  
0.4222

214.5738, 0.3186,  
0.3642

■ 7.8260, 0.3253,  
0.4428

260.5379, 0.3183,  
0.3619

■ 3.9838, 0.3254,  
0.4745

312.6376, 0.3180,

■ 1.6645, 0.3351,

0.3599

0.5502

371.2572, 0.3177,  
0.3582

0.4005, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

63.3342, 0.3210,  
0.3829

63.3342, 0.3210,  
0.3829

60.8347, 0.3246,  
0.4130

66.1560, 0.3170,  
0.3550

58.6375, 0.3275,  
0.4447

69.3032, 0.3128,  
0.3296

56.7327, 0.3295,  
0.4768

72.7889, 0.3086,  
0.3069

55.1069, 0.3301,  
0.5078

76.3079, 0.3077,  
0.2912

■ 53.7452, 0.3291,  
0.5357

■ 78.1081, 0.3145,  
0.2920

■ 52.6312, 0.3264,  
0.5589

■ 51.7462, 0.3221,  
0.5757

■ 51.0772, 0.3171,  
0.5864

# Harmonies

## Analogous

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



63.3342, 0.3515, 0.3857



63.3342, 0.3210, 0.3829



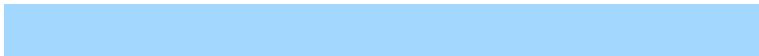
63.3342, 0.2894, 0.3631

# Triad

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



63.3342, 0.3210, 0.3829



63.3342, 0.2560, 0.2835



63.3342, 0.3625, 0.3222

# Complementary

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



63.3342, 0.3210, 0.3829



47.4723, 0.3025, 0.2770

# 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.



63.3342, 0.3346, 0.2981



63.3342, 0.3210, 0.3829



63.3342, 0.2734, 0.2760

# Square

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



63.3342, 0.3210, 0.3829



63.3342, 0.2530, 0.3038



63.3342, 0.3018, 0.2815



63.3342, 0.3764, 0.3489



# Rectangle

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



63.3342, 0.3210, 0.3829



63.3342, 0.2718, 0.3436



63.3342, 0.3018, 0.2815



63.3342, 0.3543, 0.3136

# Sweetspot

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



63.3369, 0.3210, 0.3829



97.1889, 0.3153, 0.3440



59.8311, 0.3464, 0.3624



20.7392, 0.3155, 0.3457



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

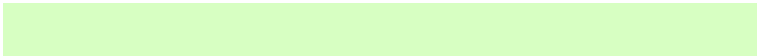


# Same Dimension

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



63.3369, 0.3210, 0.3829



89.7959, 0.3225, 0.3946



61.7962, 0.3059, 0.3761



14.8204, 0.3167, 0.3528



30.9704, 0.3181, 0.5856



2.0530, 0.3309, 0.5755



# Inverse Universe

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



47.4723, 0.3025, 0.2770



63.2373, 0.3001, 0.2662



49.3255, 0.3204, 0.2861



13.0415, 0.3084, 0.3056



6.6374, 0.2371, 0.1080



0.4768, 0.2510, 0.1156



# Previews

## White Background



This preview shows how the Yxy color 63.3342, 0.3210, 0.3829 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 63.3342, 0.3210, 0.3829 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

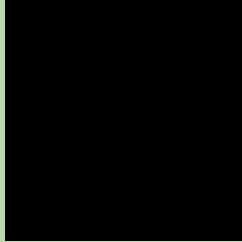
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

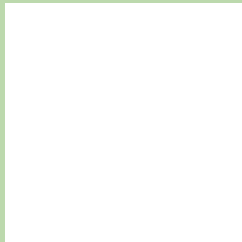
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.3342, 0.3210, 0.3829**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.3342, 0.3210, 0.3829.

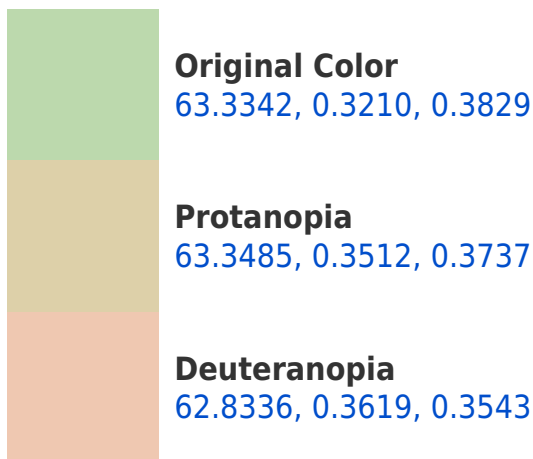


This preview shows how white text looks on a background with the Yxy color 63.3342, 0.3210, 0.3829.

# 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

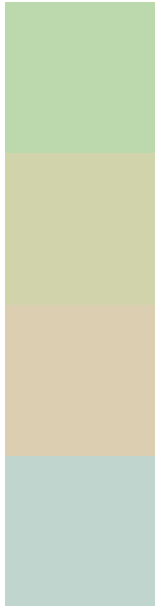




## Tritanopia

63.3199, 0.2920, 0.3106

# Trichromacy



**Original Color**

63.3342, 0.3210, 0.3829

**Protanomaly**

63.0461, 0.3402, 0.3773

**Deuteranomaly**

62.4928, 0.3456, 0.3635

**Tritanomaly**

63.4309, 0.3022, 0.3361

# Monochromacy



**Original Color**

63.3342, 0.3210, 0.3829

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

60.9233, 0.3163, 0.3481

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.3342, 0.3210, 0.3829 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(188, 217, 173)` looks like.

```
.text, #text, p{  
    color:rgb(188, 217, 173)  
}
```

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(188, 217, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 217, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 63.3342, 0.3210, 0.3829 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(188, 217, 173) }
```

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

```
.border{ border-color:rgb(188, 217, 173) }
```

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

Here you see how a box with a 4 pixel rgb(188, 217, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 217, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 217, 173);  
box-shadow:4px 4px 4px 4px rgb(188, 217,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.3342, 0.3210, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 217, 173) }
```

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

```
.background{ background-color: rgb(188,  
217, 173) }
```

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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