

# Converting Colors

$Yxy(63.3783, 0.2914, 0.3425)$

Have a look what the booklet for  
Yxy(63.3783, 0.2914, 0.3425)  
contains.

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# Color

**Yxy(63.3120, 0.2912, 0.3423)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0D9CE
RGB	176, 217, 206
RGB Percent	69%, 85%, 81%
CMY	0.3098, 0.1490, 0.1921
CMYK	0.19, 0.00, 0.05, 0.15
HSL	164°, 35%, 77%
HSV	164°, 19%, 85%
XYZ	53.8605, 63.3120, 67.7880
YIQ	203.4870, -20.9050, -12.1130

# Conversions

## Conversions Part 2

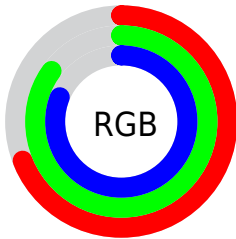
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	176, 200, 217
Decimal	11590094
CIE Lab	83.61, -15.58, 0.96
CIE LCh	84, 15.608, 176.479
Yxy	63.3120, 0.2912, 0.3423
Android (android.graphics.Color)	4289780174 (0xFFB0D9CE)
YUV	203.4870, 1.2389, -24.1061
Hunter-Lab	79.5688, -18.4180, 5.1865

# Details

The Yxy color **63.3120, 0.2912, 0.3423** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.3917, 0.3399, 0.3161**, and the grayscale version is **60.0476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **32.3186, 0.2858, 0.3453** is the 20% darker color. If you saturate the color by 10%, you get **60.7066, 0.2807, 0.3503**, and if you desaturate by 10%, it is **66.3374, 0.3024, 0.3350**.

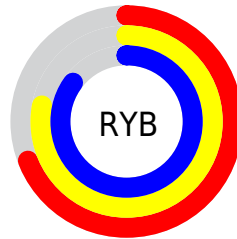
# Distribution



Red (69%)

Green (85%)

Blue (81%)



Red (69%)

Yellow (78%)

Blue (85%)

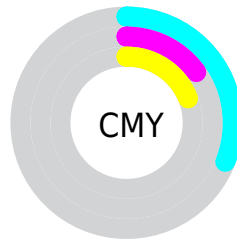


Cyan (19%)

Magenta (0%)

Yellow (5%)

Black (15%)



Cyan (31%)

Magenta (15%)


Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.3120, 0.2912, 0.3423 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 63.3120, 0.2912, 0.3423 by changing the saturation by 10% instead.





 63.3120, 0.2912,  
0.3423

 63.3120, 0.2912,  
0.3423

436.7009, 0.3014,  
0.3360

 46.0937, 0.2888,  
0.3438


 109.6195, 0.2948,  
0.3401

 32.3197, 0.2858,  
0.3457


139.4775, 0.2962,  
0.3392

 21.6058, 0.2819,  
0.3481


174.3174, 0.2974,  
0.3385

 13.5676, 0.2768,  
0.3513

214.5238, 0.2984,  
0.3378

 7.8205, 0.2696,  
0.3559

260.4809, 0.2993,  
0.3373

 3.9803, 0.2587,  
0.3627

312.5732, 0.3001,

 1.6626, 0.2407,

0.3368

0.3743

371.1851, 0.3008,  
0.3364

0.3992, 0.0000,  
0.5206

0.0000, 0.0000,  
0.0000

63.3120, 0.2912,  
0.3423

63.3120, 0.2912,  
0.3423

60.7066, 0.2807,  
0.3503

66.3374, 0.3024,  
0.3350

58.4941, 0.2713,  
0.3590

69.7930, 0.3140,  
0.3283

56.6562, 0.2632,  
0.3682

73.6983, 0.3259,  
0.3223

55.1703, 0.2567,  
0.3779

76.5587, 0.3320,  
0.3168

■ 54.0108, 0.2520,  
0.3878

■ 76.8893, 0.3279,  
0.3111

■ 53.1492, 0.2493,  
0.3980

■ 77.2308, 0.3239,  
0.3054

■ 52.5513, 0.2486,  
0.4081

■ 77.5835, 0.3200,  
0.2998

■ 52.1639, 0.2496,  
0.4180

■ 77.9473, 0.3161,  
0.2944

■ 52.1260, 0.2498,  
0.4191

■ 78.1066, 0.3145,  
0.2920

# Harmonies

## Analogous

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



63.3120, 0.3096, 0.3572



63.3120, 0.2912, 0.3423



63.3120, 0.2788, 0.3239

# Triad

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



63.3120, 0.2912, 0.3423



63.3120, 0.2956, 0.2964



63.3120, 0.3517, 0.3486

# Complementary

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



63.3120, 0.2912, 0.3423



49.3917, 0.3399, 0.3161

# 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.



63.3120, 0.3478, 0.3324



63.3120, 0.2912, 0.3423



63.3120, 0.3149, 0.3030

# Square

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



63.3120, 0.2912, 0.3423



63.3120, 0.2812, 0.2979



63.3120, 0.3342, 0.3160



63.3120, 0.3448, 0.3603



# Rectangle

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



63.3120, 0.2912, 0.3423



63.3120, 0.2753, 0.3126



63.3120, 0.3342, 0.3160



63.3120, 0.3516, 0.3435

# Sweetspot

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



63.3146, 0.2912, 0.3423



96.9517, 0.3057, 0.3330



63.4046, 0.3187, 0.3792



20.6836, 0.3049, 0.3334



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

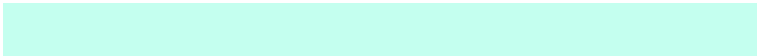


# Same Dimension

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



63.3146, 0.2912, 0.3423



89.5522, 0.2866, 0.3457



59.4104, 0.2839, 0.3181



14.7669, 0.3018, 0.3353



31.5722, 0.2494, 0.4177



2.0594, 0.2448, 0.4014



# Inverse Universe

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



49.3917, 0.3399, 0.3161



65.6542, 0.3478, 0.3130



52.5377, 0.3476, 0.3396



13.1085, 0.3250, 0.3228



9.1306, 0.5862, 0.3003

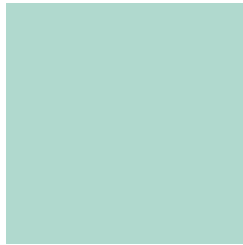


0.6058, 0.5392, 0.2744



# Previews

## White Background



This preview shows how the Yxy color 63.3120, 0.2912, 0.3423 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

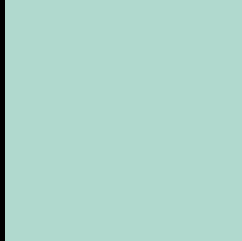
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.3120, 0.2912, 0.3423 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

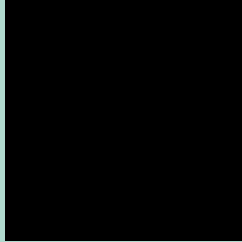
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

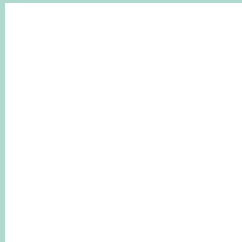
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.3120, 0.2912, 0.3423**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.3120, 0.2912, 0.3423.

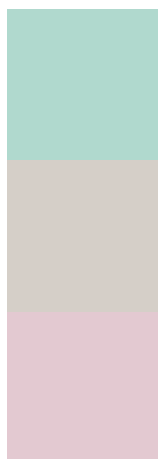


This preview shows how white text looks on a background with the Yxy color 63.3120, 0.2912, 0.3423.

# 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

63.3120, 0.2912, 0.3423

### Protanopia

62.9419, 0.3223, 0.3371

### Deuteranopia

62.7076, 0.3272, 0.3202



## Tritanopia

63.1254, 0.2797, 0.3090

# Trichromacy



**Original Color**

63.3120, 0.2912, 0.3423

**Protanomaly**

63.1322, 0.3107, 0.3396

**Deuteranomaly**

62.5896, 0.3128, 0.3279

**Tritanomaly**

62.8973, 0.2838, 0.3206

# Monochromacy



**Original Color**

63.3120, 0.2912, 0.3423

**Achromatopsia**

59.7202, 0.3127, 0.3290

**Achromatomaly**

60.8088, 0.3043, 0.3338

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  63.3120, 0.2912, 0.3423 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  $rgb(176, 217, 206)$  looks like.

```
.text, #text, p{  
    color:rgb(176, 217, 206)  
}
```

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(176, 217, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 217, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 63.3120, 0.2912, 0.3423 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(176, 217, 206) }
```

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

```
.border{ border-color:rgb(176, 217, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 217, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 217, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 217, 206);  
box-shadow:4px 4px 4px 4px rgb(176, 217,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.3120, 0.2912, 0.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 217, 206) }
```

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

```
.background{ background-color: rgb(176,  
217, 206) }
```

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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