

# Converting Colors

$Yxy(64.8044, 0.2988, 0.3674)$

Have a look what the booklet for  
Yxy(64.8044, 0.2988, 0.3674)  
contains.

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# Color

**Yxy(64.8884, 0.2986, 0.3673)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADDEBF
RGB	173, 222, 191
RGB Percent	68%, 87%, 75%
CMY	0.3217, 0.1294, 0.2511
CMYK	0.22, 0.00, 0.14, 0.13
HSL	142°, 43%, 77%
HSV	142°, 22%, 87%
XYZ	52.7516, 64.8884, 59.0232
YIQ	203.8150, -19.2530, -20.0290

# Conversions

## Conversions Part 2

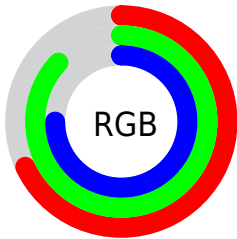
Format	Color
R <sub>YB</sub>	173, 209, 222
Decimal	11394751
CIE Lab	84.43, -21.97, 10.07
CIE LCh	84, 24.172, 155.367
Yxy	64.8884, 0.2986, 0.3673
Android (android.graphics.Color)	4289584831 (0xFFADDEBF)
YUV	203.8150, -6.3178, -27.0248
Hunter-Lab	80.5533, -24.0748, 12.9443

# Details

The Yxy color **64.8884, 0.2986, 0.3673** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.7664, 0.3301, 0.2936**, and the grayscale version is **60.3073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8934, 0.3014, 0.3370**, and **33.4655, 0.2947, 0.3771** is the 20% darker color. If you saturate the color by 10%, you get **61.9785, 0.2927, 0.3878**, and if you desaturate by 10%, it is **68.2836, 0.3049, 0.3488**.

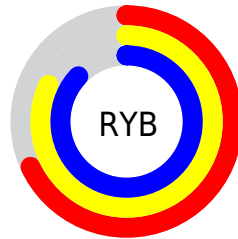
# Distribution



Red (68%)

Green (87%)

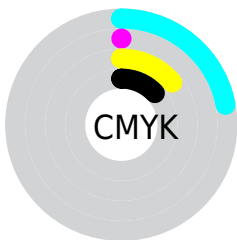
Blue (75%)



Red (68%)

Yellow (82%)

Blue (87%)

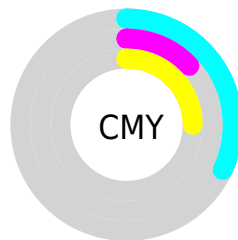


Cyan (22%)

Magenta (0%)

Yellow (14%)

Black (13%)



Cyan (32%)

Magenta (13%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8884, 0.2986, 0.3673 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 64.8884, 0.2986, 0.3673 by changing the saturation by 10% instead.




 64.8884, 0.2986,  
0.3673

 64.8884, 0.2986,  
0.3673


442.3908, 0.3055,  
0.3487

 47.3706, 0.2969,  
0.3718


 111.8894, 0.3011,  
0.3607

 33.3287, 0.2948,  
0.3775


142.1414, 0.3020,  
0.3581

 22.3784, 0.2920,  
0.3849


177.4069, 0.3028,  
0.3560

 14.1352, 0.2882,  
0.3949

218.0703, 0.3035,  
0.3541

 8.2148, 0.2826,  
0.4094

264.5160, 0.3041,  
0.3525

 4.2327, 0.2739,  
0.4318

317.1284, 0.3046,

 1.8046, 0.2583,

0.3511

0.4711

376.2918, 0.3051,  
0.3498

0.4900, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

64.8884, 0.2986,  
0.3673

64.8884, 0.2986,  
0.3673

61.9785, 0.2927,  
0.3878

68.2836, 0.3049,  
0.3488

59.5232, 0.2874,  
0.4102

72.1768, 0.3114,  
0.3322

57.5011, 0.2832,  
0.4339

76.5904, 0.3178,  
0.3176

55.8855, 0.2802,  
0.4586

80.2356, 0.3193,  
0.3044

■ 54.6469, 0.2789,  
0.4832

■ 80.7297, 0.3142,  
0.2970

■ 53.7512, 0.2795,  
0.5070

■ 53.1582, 0.2818,  
0.5288

■ 52.8519, 0.2845,  
0.5442

# Harmonies

## Analogous

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



64.8884, 0.3289, 0.3818



64.8884, 0.2986, 0.3673



64.8884, 0.2730, 0.3410

# Triad

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



64.8884, 0.2986, 0.3673



64.8884, 0.2701, 0.2798



64.8884, 0.3705, 0.3411

# Complementary

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



64.8884, 0.2986, 0.3673



49.7664, 0.3301, 0.2936

# 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.



64.8884, 0.3533, 0.3160



64.8884, 0.2986, 0.3673



64.8884, 0.2945, 0.2817

# Square

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



64.8884, 0.2986, 0.3673



64.8884, 0.2572, 0.2904



64.8884, 0.3250, 0.2947



64.8884, 0.3713, 0.3646



# Rectangle

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



64.8884, 0.2986, 0.3673



64.8884, 0.2617, 0.3216



64.8884, 0.3250, 0.2947



64.8884, 0.3664, 0.3326

# Sweetspot

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



64.8911, 0.2986, 0.3673



96.0642, 0.3082, 0.3402



68.1072, 0.3323, 0.3864



20.4926, 0.3078, 0.3412



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

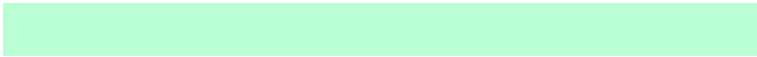


# Same Dimension

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



64.8911, 0.2986, 0.3673



86.7030, 0.2955, 0.3776



66.0610, 0.2838, 0.3368



15.4201, 0.3066, 0.3442



31.4084, 0.2837, 0.5415



2.1939, 0.2750, 0.5100



# Inverse Universe

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



49.7664, 0.3301, 0.2936



62.1381, 0.3352, 0.2850



48.6820, 0.3516, 0.3215



13.8458, 0.3194, 0.3143



10.3792, 0.4403, 0.2199

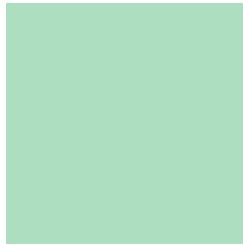


0.7365, 0.4170, 0.2071



# Previews

## White Background



This preview shows how the Yxy color 64.8884, 0.2986, 0.3673 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

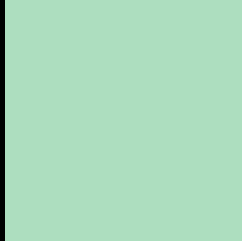
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 64.8884, 0.2986, 0.3673 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

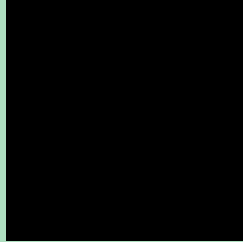
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

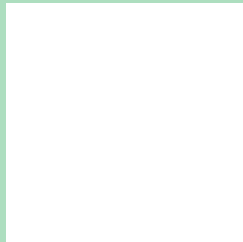
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 64.8884, 0.2986, 0.3673**

## Background



This preview shows how black text looks on a background with the Yxy color 64.8884, 0.2986, 0.3673.

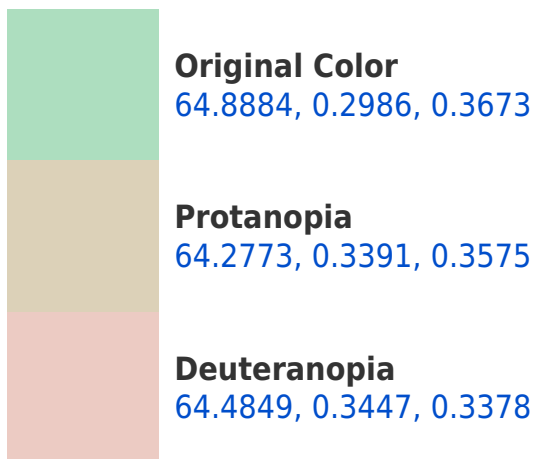


This preview shows how white text looks on a background with the Yxy color 64.8884, 0.2986, 0.3673.

# 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

64.8187, 0.2782, 0.3092

# Trichromacy



**Original Color**

64.8884, 0.2986, 0.3673

**Protanomaly**

64.3775, 0.3231, 0.3608

**Deuteranomaly**

64.1344, 0.3262, 0.3474

**Tritanomaly**

64.6697, 0.2853, 0.3289

# Monochromacy



**Original Color**

64.8884, 0.2986, 0.3673

**Achromatopsia**

60.3827, 0.3127, 0.3290

**Achromatomaly**

62.0495, 0.3076, 0.3433

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 64.8884, 0.2986, 0.3673 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(173, 222, 191)` looks like.

```
.text, #text, p{  
    color:rgb(173, 222, 191)  
}
```

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(173, 222, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 222, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 64.8884, 0.2986, 0.3673 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(173, 222, 191) }
```

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

```
.border{ border-color:rgb(173, 222, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 222, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 222, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 222, 191); box-shadow:4px 4px 4px 4px rgb(173, 222, 191) }
```



# Background

The CSS property to change the background color of an element to Yxy 64.8884, 0.2986, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 222, 191) }
```

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

```
.background{ background-color: rgb(173,  
222, 191) }
```

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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