

# Converting Colors

$Yxy(63.2977, 0.2991, 0.3789)$

Have a look what the booklet for  
Yxy(63.2977, 0.2991, 0.3789)  
contains.

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# Color

**Yxy(63.0896, 0.2988, 0.3784)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5DDB6
RGB	165, 221, 182
RGB Percent	65%, 87%, 71%
CMY	0.3530, 0.1333, 0.2862
CMYK	0.25, 0.00, 0.18, 0.13
HSL	138°, 45%, 76%
HSV	138°, 25%, 87%
XYZ	49.8181, 63.0896, 53.8196
YIQ	199.8100, -20.8570, -24.0010

# Conversions

## Conversions Part 2

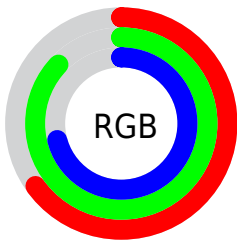
<b>Format</b>	<b>Color</b>
<b>RYB</b>	165, 208, 221
Decimal	10870198
CIELab	83.49, -25.70, 13.40
CIELCh	83, 28.981, 152.459
Yxy	63.0896, 0.2988, 0.3784
Android (android.graphics.Color)	4289060278 (0xFFA5DDB6)
YUV	199.8100, -8.7803, -30.5284
Hunter-Lab	79.4290, -27.0449, 15.4265

# Details

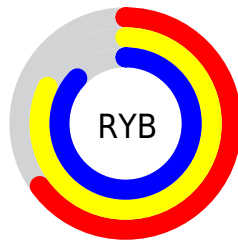
The Yxy color **63.0896, 0.2988, 0.3784** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.6405, 0.3302, 0.2843**, and the grayscale version is **57.7023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0652, 0.3015, 0.3464**, and **32.3022, 0.2950, 0.3925** is the 20% darker color. If you saturate the color by 10%, you get **60.3221, 0.2938, 0.4018**, and if you desaturate by 10%, it is **66.3418, 0.3042, 0.3572**.

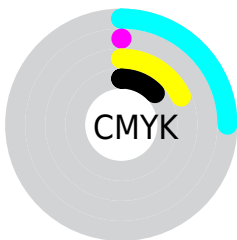
# Distribution



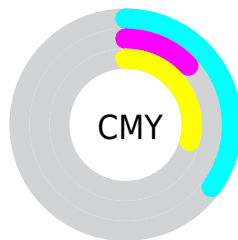
- Red (65%)
- Green (87%)
- Blue (71%)



- Red (65%)
- Yellow (82%)
- Blue (87%)



- Cyan (25%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)



- Cyan (35%)
- Magenta (13%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0896, 0.2988, 0.3784 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 63.0896, 0.2988, 0.3784 by changing the saturation by 10% instead.




 63.0896, 0.2988,  
0.3784


 63.0896, 0.2988,  
0.3784

435.8946, 0.3058,  
0.3541

 45.9137, 0.2970,  
0.3843


 109.2988, 0.3014,  
0.3697

 32.1777, 0.2948,  
0.3919


 139.1008, 0.3023,  
0.3664

 21.4973, 0.2918,  
0.4018


173.8804, 0.3031,  
0.3636

 13.4880, 0.2876,  
0.4153

214.0218, 0.3038,  
0.3612

 7.7654, 0.2813,  
0.4350

259.9096, 0.3044,  
0.3591

 3.9452, 0.2711,  
0.4660

311.9280, 0.3049,

 1.6430, 0.2535,

0.3572

0.5259

370.4616, 0.3054,  
0.3556

■ 0.3863, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.0896, 0.2988,  
0.3784

■ 63.0896, 0.2988,  
0.3784

■ 60.3221, 0.2938,  
0.4018

■ 66.3418, 0.3042,  
0.3572

■ 58.0079, 0.2895,  
0.4270

■ 70.0923, 0.3097,  
0.3382

■ 56.1245, 0.2861,  
0.4536

■ 74.3643, 0.3153,  
0.3215

■ 54.6440, 0.2841,  
0.4805

■ 79.1768, 0.3207,  
0.3068

■ 53.5352, 0.2836,  
0.5067

■ 80.1948, 0.3143,  
0.2960

■ 52.7619, 0.2848,  
0.5310

■ 52.2804, 0.2875,  
0.5520

■ 52.1223, 0.2890,  
0.5606

# Harmonies

## Analogous

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



63.0896, 0.3353, 0.3941



63.0896, 0.2988, 0.3784



63.0896, 0.2673, 0.3468

# Triad

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



63.0896, 0.2988, 0.3784



63.0896, 0.2593, 0.2705



63.0896, 0.3817, 0.3400

# Complementary

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



63.0896, 0.2988, 0.3784



46.6405, 0.3302, 0.2843

# 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.



63.0896, 0.3589, 0.3104



63.0896, 0.2988, 0.3784



63.0896, 0.2873, 0.2716

# Square

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



63.0896, 0.2988, 0.3784



63.0896, 0.2455, 0.2842



63.0896, 0.3237, 0.2860



63.0896, 0.3844, 0.3688



# Rectangle

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



63.0896, 0.2988, 0.3784



63.0896, 0.2529, 0.3229



63.0896, 0.3237, 0.2860



63.0896, 0.3761, 0.3299

# Sweetspot

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



63.0922, 0.2988, 0.3784



95.4532, 0.3082, 0.3432



67.2972, 0.3380, 0.3948



20.2591, 0.3074, 0.3460



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

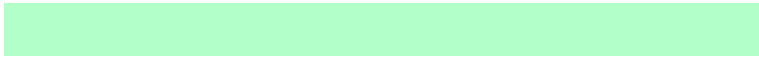


# Same Dimension

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



63.0922, 0.2988, 0.3784



85.2970, 0.2963, 0.3896



64.3572, 0.2821, 0.3427



14.6711, 0.3075, 0.3457



30.2952, 0.2883, 0.5578



1.9778, 0.2791, 0.5246



# Inverse Universe

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



46.6405, 0.3302, 0.2843



59.1118, 0.3344, 0.2753



45.4244, 0.3556, 0.3159



13.2039, 0.3184, 0.3129



10.3027, 0.4156, 0.2063

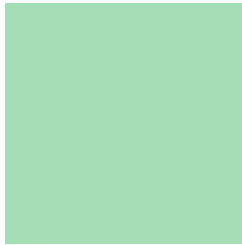


0.6825, 0.3965, 0.1958



# Previews

## White Background



This preview shows how the Yxy color 63.0896, 0.2988, 0.3784 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

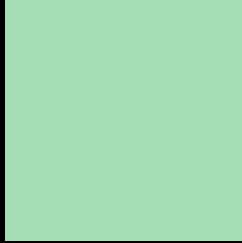
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.0896, 0.2988, 0.3784 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

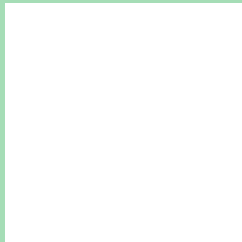
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.0896, 0.2988, 0.3784**

## Background



This preview shows how black text looks on a background with the Yxy color 63.0896, 0.2988, 0.3784.

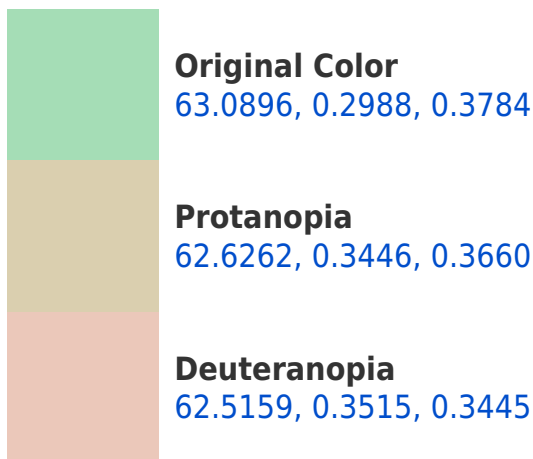


This preview shows how white text looks on a background with the Yxy color 63.0896, 0.2988, 0.3784.

# 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

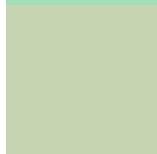
62.8613, 0.2747, 0.3088

# Trichromacy



## Original Color

63.0896, 0.2988, 0.3784



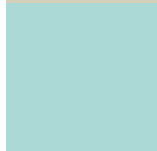
## Protanomaly

62.4434, 0.3265, 0.3698



## Deuteranomaly

62.3162, 0.3306, 0.3559



## Tritanomaly

63.0877, 0.2837, 0.3338

# Monochromacy



## Original Color

63.0896, 0.2988, 0.3784



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

59.5268, 0.3074, 0.3474

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.0896, 0.2988, 0.3784 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(165, 221, 182)` looks like.

```
.text, #text, p{  
    color:rgb(165, 221, 182)  
}
```

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(165, 221, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 221, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0896, 0.2988, 0.3784 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(165, 221, 182) }
```

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

```
.border{ border-color:rgb(165, 221, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 221, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 221, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 221, 182); box-shadow:4px 4px 4px 4px rgb(165, 221, 182) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0896, 0.2988, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 221, 182) }
```

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

```
.background{ background-color: rgb(165,  
221, 182) }
```

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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