

# Converting Colors

$Yxy(62.8992, 0.2946, 0.3742)$

Have a look what the booklet for  
Yxy(62.8992, 0.2946, 0.3742)  
contains.

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# Color

**Yxy(62.8971, 0.2950, 0.3747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2DDB9
RGB	162, 221, 185
RGB Percent	64%, 87%, 73%
CMY	0.3646, 0.1333, 0.2744
CMYK	0.27, 0.00, 0.16, 0.13
HSL	143°, 46%, 75%
HSV	143°, 27%, 87%
XYZ	49.5187, 62.8971, 55.4441
YIQ	199.2550, -23.6080, -23.7040

# Conversions

## Conversions Part 2

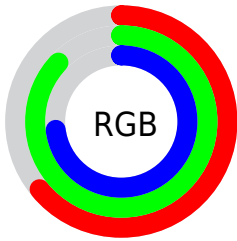
Format	Color
<b>RYB</b>	162, 204, 221
Decimal	10673593
CIELab	83.39, -26.07, 11.65
CIELCh	83, 28.554, 155.920
Yxy	62.8971, 0.2950, 0.3747
Android (android.graphics.Color)	4288863673 (0xFFA2DDB9)
YUV	199.2550, -7.0277, -32.6726
Hunter-Lab	79.3077, -27.3354, 14.0657

# Details

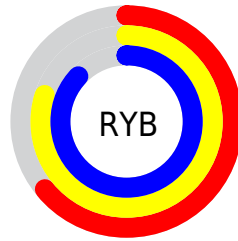
The Yxy color **62.8971, 0.2950, 0.3747** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.2963, 0.3359, 0.2874**, and the grayscale version is **57.3369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7763, 0.2981, 0.3434**, and **32.1896, 0.2902, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **60.2421, 0.2891, 0.3953**, and if you desaturate by 10%, it is **66.0181, 0.3014, 0.3560**.

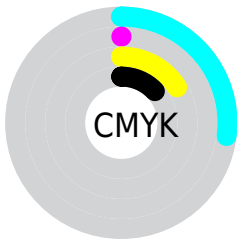
# Distribution



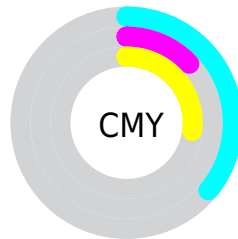
- Red (64%)
- Green (87%)
- Blue (73%)



- Red (64%)
- Yellow (80%)
- Blue (87%)



- Cyan (27%)
- Magenta (0%)
- Yellow (16%)
- Black (13%)




- Cyan (36%)
- Magenta (13%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8971, 0.2950, 0.3747 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 62.8971, 0.2950, 0.3747 by changing the saturation by 10% instead.





 62.8971, 0.2950,  
0.3747

 62.8971, 0.2950,  
0.3747


435.1959, 0.3038,  
0.3523

 45.7580, 0.2928,  
0.3802


 109.0210, 0.2982,  
0.3666

 32.0549, 0.2901,  
0.3871


 138.7746, 0.2994,  
0.3636

 21.4034, 0.2865,  
0.3962


173.5019, 0.3004,  
0.3610

 13.4192, 0.2815,  
0.4087

213.5871, 0.3012,  
0.3588

 7.7178, 0.2742,  
0.4269

259.4147, 0.3020,  
0.3568

 3.9149, 0.2625,  
0.4555

311.3691, 0.3027,

 1.6261, 0.2415,

0.3551

0.5085

369.8347, 0.3032,  
0.3536

0.3751, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

62.8971, 0.2950,  
0.3747

62.8971, 0.2950,  
0.3747

60.2421, 0.2891,  
0.3953

66.0181, 0.3014,  
0.3560

58.0223, 0.2840,  
0.4174


69.6182, 0.3082,  
0.3392

56.2157, 0.2802,  
0.4408

73.7201, 0.3150,  
0.3243


54.7949, 0.2778,  
0.4647

78.3424, 0.3217,  
0.3111

 53.7291, 0.2772,  
0.4884

 80.0272, 0.3159,  
0.2984

 52.9824, 0.2785,  
0.5109

 80.1923, 0.3143,  
0.2960

 52.5094, 0.2815,  
0.5313

 52.3877, 0.2827,  
0.5376

# Harmonies

## Analogous

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



62.8971, 0.3309, 0.3924



62.8971, 0.2950, 0.3747



62.8971, 0.2650, 0.3425

# Triad

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



62.8971, 0.2950, 0.3747



62.8971, 0.2626, 0.2706



62.8971, 0.3821, 0.3433

# Complementary

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



62.8971, 0.2950, 0.3747



45.2963, 0.3359, 0.2874

# 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.



62.8971, 0.3617, 0.3139



62.8971, 0.2950, 0.3747



62.8971, 0.2915, 0.2734

# Square

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



62.8971, 0.2950, 0.3747



62.8971, 0.2472, 0.2825



62.8971, 0.3279, 0.2889



62.8971, 0.3824, 0.3712



# Rectangle

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



62.8971, 0.2950, 0.3747



62.8971, 0.2519, 0.3191



62.8971, 0.3279, 0.2889



62.8971, 0.3773, 0.3334

# Sweetspot

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



62.8997, 0.2950, 0.3747



95.5586, 0.3072, 0.3414



66.3805, 0.3355, 0.3994



20.2855, 0.3062, 0.3438



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

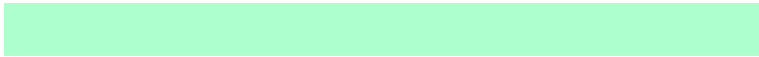


# Same Dimension

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



62.8997, 0.2950, 0.3747



84.8690, 0.2916, 0.3859



64.2568, 0.2778, 0.3373



14.6899, 0.3063, 0.3436



30.4538, 0.2819, 0.5347



1.9896, 0.2727, 0.5016



# Inverse Universe

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



45.2963, 0.3359, 0.2874



56.6375, 0.3421, 0.2784



44.0804, 0.3633, 0.3210



13.1843, 0.3197, 0.3148



9.9654, 0.4493, 0.2249

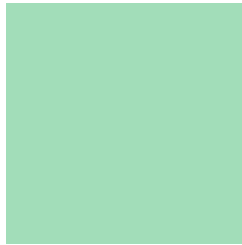


0.6623, 0.4228, 0.2103



# Previews

## White Background



This preview shows how the Yxy color 62.8971, 0.2950, 0.3747 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 62.8971, 0.2950, 0.3747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

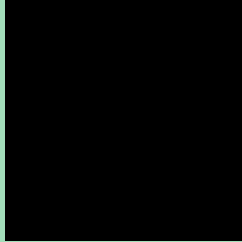
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

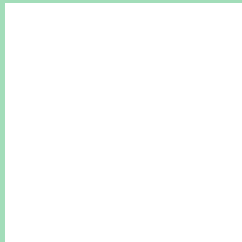
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.8971, 0.2950, 0.3747**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.8971, 0.2950, 0.3747.

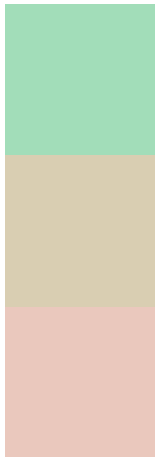


This preview shows how white text looks on a background with the Yxy color 62.8971, 0.2950, 0.3747.

# 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

62.8971, 0.2950, 0.3747

### Protanopia

62.1087, 0.3417, 0.3614

### Deuteranopia

62.4751, 0.3483, 0.3412



## Tritanopia

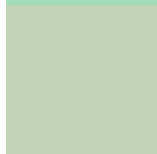
62.5773, 0.2723, 0.3075

# Trichromacy



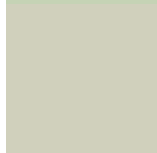
## Original Color

62.8971, 0.2950, 0.3747



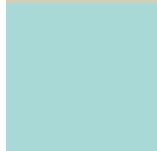
## Protanomaly

61.7950, 0.3230, 0.3652



## Deuteranomaly

62.1525, 0.3269, 0.3525



## Tritanomaly

62.8568, 0.2806, 0.3313

# Monochromacy



## Original Color

62.8971, 0.2950, 0.3747



## Achromatopsia

57.1125, 0.3127, 0.3290



## Achromatomaly

58.9598, 0.3060, 0.3449

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8971, 0.2950, 0.3747 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(162, 221, 185)` looks like.

```
.text, #text, p{  
    color:rgb(162, 221, 185)  
}
```

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(162, 221, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 221, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8971, 0.2950, 0.3747 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(162, 221, 185) }
```

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

```
.border{ border-color:rgb(162, 221, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 221, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 221, 185); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 221, 185); box-shadow:4px 4px 4px 4px rgb(162, 221, 185) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8971, 0.2950, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 221, 185) }
```

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

```
.background{ background-color: rgb(162,  
221, 185) }
```

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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