

# Converting Colors

$Yxy(60.7124, 0.2878, 0.3706)$

Have a look what the booklet for  
Yxy(60.7124, 0.2878, 0.3706)  
contains.

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# Color

**Yxy(60.8836, 0.2879, 0.3718)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98DBBA
RGB	152, 219, 186
RGB Percent	60%, 86%, 73%
CMY	0.4039, 0.1412, 0.2706
CMYK	0.31, 0.00, 0.15, 0.14
HSL	150°, 48%, 73%
HSV	150°, 31%, 86%
XYZ	47.1447, 60.8836, 55.7254
YIQ	195.2050, -29.3390, -24.4670

# Conversions

## Conversions Part 2

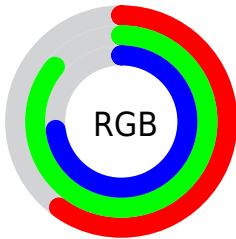
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 196, 219
Decimal	10017722
CIELab	82.32, -27.98, 9.53
CIELCh	82, 29.562, 161.189
Yxy	60.8836, 0.2879, 0.3718
Android (android.graphics.Color)	4288207802 (0xFF98DBBA)
YUV	195.2050, -4.5381, -37.8908
Hunter-Lab	78.0279, -28.6988, 12.2763

# Details

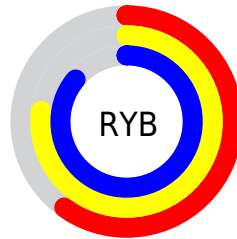
The Yxy color **60.8836, 0.2879, 0.3718** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.0221, 0.3478, 0.2900**, and the grayscale version is **54.7448, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3407, 0.2917, 0.3425**, and **30.8970, 0.2814, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **58.5227, 0.2810, 0.3887**, and if you desaturate by 10%, it is **63.6743, 0.2956, 0.3563**.

# Distribution



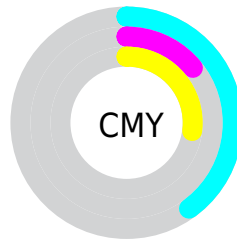
- Red (60%)
- Green (86%)
- Blue (73%)



- Red (60%)
- Yellow (77%)
- Blue (86%)



- Cyan (31%)
- Magenta (0%)
- Yellow (15%)
- Black (14%)




- Cyan (40%)
- Magenta (14%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.8836, 0.2879, 0.3718 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 60.8836, 0.2879, 0.3718 by changing the saturation by 10% instead.




 60.8836, 0.2879,  
0.3718


 60.8836, 0.2879,  
0.3718

427.8471, 0.3001,  
0.3507

 44.1312, 0.2849,  
0.3770


 106.1104, 0.2923,  
0.3642

 30.7737, 0.2812,  
0.3835


 135.3536, 0.2939,  
0.3613

 20.4266, 0.2763,  
0.3922


169.5292, 0.2953,  
0.3589

 12.7055, 0.2696,  
0.4041

209.0216, 0.2965,  
0.3568

 7.2261, 0.2598,  
0.4215

254.2152, 0.2976,  
0.3550

 3.6039, 0.2446,  
0.4491

305.4944, 0.2985,

 1.4545, 0.2124,

0.3534

0.5041

363.2435, 0.2993,  
0.3520

0.2564, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

60.8836, 0.2879,  
0.3718

60.8836, 0.2879,  
0.3718

58.5227, 0.2810,  
0.3887

63.6743, 0.2956,  
0.3563

56.5618, 0.2753,  
0.4067

66.9079, 0.3038,  
0.3423

54.9790, 0.2710,  
0.4256

70.6060, 0.3122,  
0.3297

53.7473, 0.2685,  
0.4450

74.7868, 0.3207,  
0.3185

■ 52.8356, 0.2679,  
0.4644

■ 78.2119, 0.3244,  
0.3083

■ 52.2074, 0.2694,  
0.4832

■ 78.8719, 0.3172,  
0.2980

■ 51.8155, 0.2722,  
0.5000

■ 79.1445, 0.3144,  
0.2940

# Harmonies

## Analogous

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



60.8836, 0.3250, 0.3938



60.8836, 0.2879, 0.3718



60.8836, 0.2586, 0.3365

# Triad

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



60.8836, 0.2879, 0.3718



60.8836, 0.2647, 0.2675



60.8836, 0.3870, 0.3493

# Complementary

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



60.8836, 0.2879, 0.3718



41.0221, 0.3478, 0.2900

# 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.



60.8836, 0.3690, 0.3183



60.8836, 0.2879, 0.3718



60.8836, 0.2968, 0.2729

# Square

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



60.8836, 0.2879, 0.3718



60.8836, 0.2459, 0.2770



60.8836, 0.3353, 0.2912



60.8836, 0.3835, 0.3774



# Rectangle

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



60.8836, 0.2879, 0.3718



60.8836, 0.2468, 0.3123



60.8836, 0.3353, 0.2912



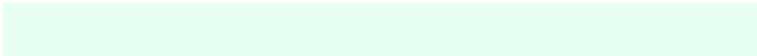
60.8836, 0.3833, 0.3389

# Sweetspot

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



60.8861, 0.2879, 0.3718



95.1975, 0.3050, 0.3403



63.3089, 0.3327, 0.4120



20.2210, 0.3038, 0.3422



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

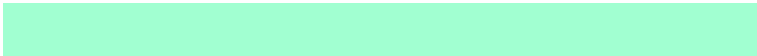


# Same Dimension

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



60.8861, 0.2879, 0.3718



83.6412, 0.2832, 0.3830



62.4552, 0.2689, 0.3289



14.7160, 0.3047, 0.3407



30.7454, 0.2715, 0.4974



2.0092, 0.2633, 0.4679



# Inverse Universe

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



41.0221, 0.3478, 0.2900



51.1382, 0.3585, 0.2812



39.7865, 0.3815, 0.3292



13.1579, 0.3215, 0.3175



9.5921, 0.4981, 0.2518



0.6388, 0.4616, 0.2316



# Previews

## White Background



This preview shows how the Yxy color 60.8836, 0.2879, 0.3718 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

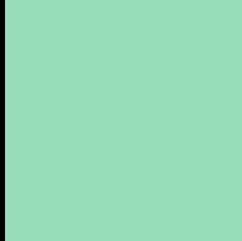
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.8836, 0.2879, 0.3718 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

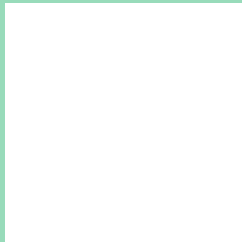
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.8836, 0.2879, 0.3718**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.8836, 0.2879, 0.3718.

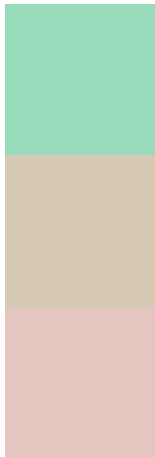


This preview shows how white text looks on a background with the Yxy color 60.8836, 0.2879, 0.3718.

# 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

60.8836, 0.2879, 0.3718

### Protanopia

60.2224, 0.3399, 0.3583

### Deuteranopia

60.3521, 0.3432, 0.3358



## Tritanopia

60.8787, 0.2672, 0.3083

# Trichromacy



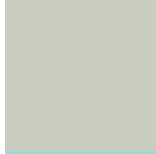
## Original Color

60.8836, 0.2879, 0.3718



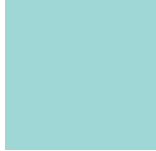
## Protanomaly

60.0135, 0.3186, 0.3634



## Deuteranomaly

59.7543, 0.3211, 0.3482



## Tritanomaly

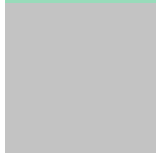
60.7250, 0.2748, 0.3301

# Monochromacy



## Original Color

60.8836, 0.2879, 0.3718



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

56.5752, 0.3022, 0.3440

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.8836, 0.2879, 0.3718 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(152, 219, 186)` looks like.

```
.text, #text, p{  
    color:rgb(152, 219, 186)  
}
```

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(152, 219, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 219, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 60.8836, 0.2879, 0.3718 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(152, 219, 186) }
```

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

```
.border{ border-color:rgb(152, 219, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 219, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 219, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 219, 186);  
box-shadow:4px 4px 4px 4px rgb(152, 219,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.8836, 0.2879, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 219, 186) }
```

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

```
.background{ background-color: rgb(152,  
219, 186) }
```

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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