

# Converting Colors

$Y_{xy}(50.3588, 0.3178, 0.3737)$

Have a look what the booklet for  
Yxy(50.3588, 0.3178, 0.3737)  
contains.

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# Color

**Yxy(50.2968, 0.3178, 0.3732)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABC3A2
RGB	171, 195, 162
RGB Percent	67%, 76%, 64%
CMY	0.3295, 0.2353, 0.3646
CMYK	0.12, 0.00, 0.17, 0.24
HSL	104°, 22%, 70%
HSV	104°, 17%, 76%
XYZ	42.8304, 50.2968, 41.6445
YIQ	184.0620, -3.7110, -15.3510

# Conversions

## Conversions Part 2

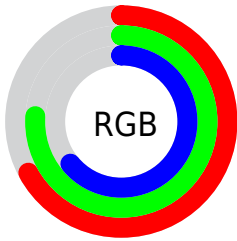
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 195, 186
Decimal	11256738
CIELab	76.25, -14.30, 13.88
CIELCh	76, 19.928, 135.864
Yxy	50.2968, 0.3178, 0.3732
Android (android.graphics.Color)	4289446818 (0xFFABC3A2)
YUV	184.0620, -10.8766, -11.4554
Hunter-Lab	70.9202, -16.3099, 14.8290

# Details

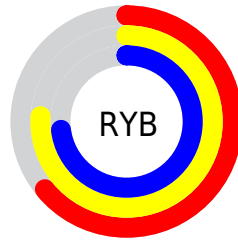
The Yxy color **50.2968, 0.3178, 0.3732** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.2351, 0.3065, 0.2866**, and the grayscale version is **48.0321, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.9615, 0.3173, 0.3653**, and **24.0975, 0.3197, 0.3862** is the 20% darker color. If you saturate the color by 10%, you get **48.1481, 0.3204, 0.4028**, and if you desaturate by 10%, it is **52.7287, 0.3148, 0.3461**.

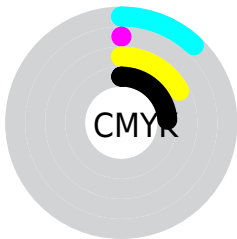
# Distribution



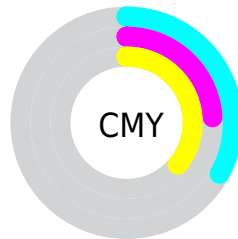
- Red (67%)
- Green (76%)
- Blue (64%)



- Red (64%)
- Yellow (76%)
- Blue (73%)



- Cyan (12%)
- Magenta (0%)
- Yellow (17%)
- Black (24%)




- Cyan (33%)
- Magenta (24%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2968, 0.3178, 0.3732 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 50.2968, 0.3178, 0.3732 by changing the saturation by 10% instead.





 50.2968, 0.3178,  
0.3732

 50.2968, 0.3178,  
0.3732


387.8255, 0.3156,  
0.3508

 35.6493, 0.3183,  
0.3789


 90.6145, 0.3171,  
0.3650

 24.1635, 0.3188,  
0.3862


 117.0534, 0.3168,  
0.3620

 15.4549, 0.3194,  
0.3960


148.1916, 0.3165,  
0.3594

 9.1393, 0.3200,  
0.4099

184.4135, 0.3163,  
0.3572

 4.8321, 0.3204,  
0.4308

226.1034, 0.3161,  
0.3553

 2.1491, 0.3197,  
0.4659

273.6458, 0.3159,


 0.6920, 0.3084,


0.3536


0.6916

327.4250, 0.3157,  
0.3521


 0.0000, 0.0000,  
0.0000

 50.2968, 0.3178,  
0.3732

 50.2968, 0.3178,  
0.3732


 48.1481, 0.3204,  
0.4028


 52.7287, 0.3148,  
0.3461


 46.2659, 0.3226,  
0.4345


 55.4472, 0.3118,  
0.3218


 44.6414, 0.3239,  
0.4672

 58.4637, 0.3087,  
0.3002

 43.2626, 0.3242,  
0.4995

 61.7870, 0.3056,  
0.2811

 42.1169, 0.3233,  
0.5296

 65.1306, 0.3058,  
0.2685

■ 41.1901, 0.3209,  
0.5553

■ 67.5132, 0.3155,  
0.2703

■ 40.4666, 0.3174,  
0.5749

■ 39.9268, 0.3129,  
0.5876

■ 39.7894, 0.3116,  
0.5908

# Harmonies

## Analogous

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



50.2968, 0.3438, 0.3770



50.2968, 0.3178, 0.3732



50.2968, 0.2912, 0.3558

# Triad

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



50.2968, 0.3178, 0.3732



50.2968, 0.2654, 0.2897



50.2968, 0.3559, 0.3252

# Complementary

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



50.2968, 0.3178, 0.3732



40.2351, 0.3065, 0.2866

# 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.



50.2968, 0.3333, 0.3042



50.2968, 0.3178, 0.3732



50.2968, 0.2811, 0.2839

# Square

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



50.2968, 0.3178, 0.3732



50.2968, 0.2617, 0.3064



50.2968, 0.3058, 0.2893



50.2968, 0.3665, 0.3479



# Rectangle

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



50.2968, 0.3178, 0.3732



50.2968, 0.2767, 0.3394



50.2968, 0.3058, 0.2893



50.2968, 0.3494, 0.3177

# Sweetspot

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



50.2990, 0.3178, 0.3732



95.2852, 0.3143, 0.3414



49.1881, 0.3397, 0.3592



20.7930, 0.3145, 0.3433



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

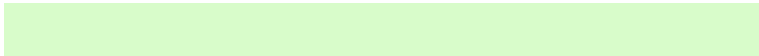


# Same Dimension

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



50.2990, 0.3178, 0.3732



88.7158, 0.3187, 0.3830



49.5882, 0.3055, 0.3641



11.3882, 0.3156, 0.3525



25.8952, 0.3124, 0.5902



1.1542, 0.3299, 0.5763



# Inverse Universe

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



40.2351, 0.3065, 0.2866



67.5836, 0.3050, 0.2776



41.0775, 0.3209, 0.2963



10.1055, 0.3095, 0.3060



6.3433, 0.2538, 0.1172



0.3066, 0.2694, 0.1258



# Previews

## White Background



This preview shows how the Yxy color 50.2968, 0.3178, 0.3732 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

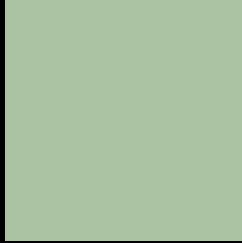
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.2968, 0.3178, 0.3732 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

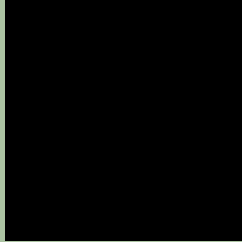
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

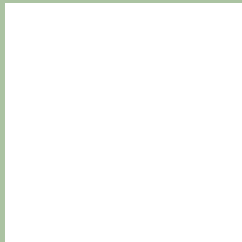
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.2968, 0.3178, 0.3732**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.2968, 0.3178, 0.3732.



This preview shows how white text looks on a background with the Yxy color 50.2968, 0.3178, 0.3732.

# 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

50.2968, 0.3178, 0.3732

### Protanopia

50.0150, 0.3454, 0.3657

### Deuteranopia

50.0605, 0.3553, 0.3484



## Tritanopia

50.2198, 0.2930, 0.3100

# Trichromacy



**Original Color**

50.2968, 0.3178, 0.3732

**Protanomaly**

50.0215, 0.3351, 0.3692

**Deuteranomaly**

49.8039, 0.3407, 0.3568

**Tritanomaly**

50.0497, 0.3014, 0.3316

# Monochromacy



**Original Color**

50.2968, 0.3178, 0.3732

**Achromatopsia**

47.9320, 0.3127, 0.3290

**Achromatomaly**

48.6847, 0.3145, 0.3447

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  50.2968, 0.3178, 0.3732 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(171, 195, 162)` looks like.

```
.text, #text, p{  
    color:rgb(171, 195, 162)  
}
```

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(171, 195, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 195, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 50.2968, 0.3178, 0.3732 is called "border". The border property can be set on classes, ids or directly on the HTML element.

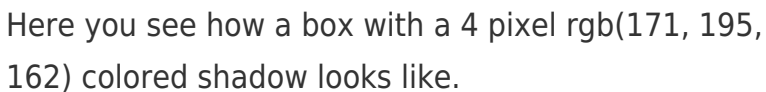
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 195, 162) }
```

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

```
.border{ border-color:rgb(171, 195, 162) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 195, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 195, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 195, 162); box-shadow:4px 4px 4px 4px rgb(171, 195, 162) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.2968, 0.3178, 0.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 195, 162) }
```

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

```
.background{ background-color: rgb(171,  
195, 162) }
```

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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