

# Converting Colors

$Yxy(48.8359, 0.2932, 0.3672)$

Have a look what the booklet for  
Yxy(48.8359, 0.2932, 0.3672)  
contains.

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# Color

**Yxy(48.9458, 0.2928, 0.3668)**

# Conversions

## Conversions Part 1

Format	Color
Hex	92C5AA
RGB	146, 197, 170
RGB Percent	57%, 77%, 67%
CMY	0.4276, 0.2274, 0.3333
CMYK	0.26, 0.00, 0.14, 0.23
HSL	148°, 31%, 67%
HSV	148°, 26%, 77%
XYZ	39.0712, 48.9458, 45.4230
YIQ	178.6730, -21.7290, -19.2090

# Conversions

## Conversions Part 2

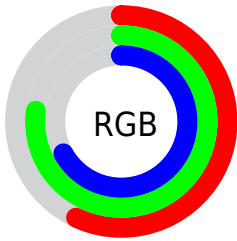
Format	Color
<a href="#">RYB</a>	<a href="#">146, 181, 197</a>
Decimal	<a href="#">9618858</a>
CIELab	<a href="#">75.42, -22.27, 8.18</a>
CIELCh	<a href="#">75, 23.723, 159.840</a>
Yxy	<a href="#">48.9458, 0.2928, 0.3668</a>
Android (android.graphics.Color)	<a href="#">4287808938 (0xFF92C5AA)</a>
YUV	<a href="#">178.6730, -4.2758, -28.6542</a>
Hunter-Lab	<a href="#">69.9613, -22.7454, 10.4783</a>

# Details

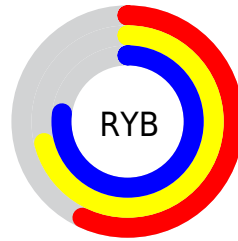
The Yxy color **48.9458, 0.2928, 0.3668** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.4330, 0.3390, 0.2941**, and the grayscale version is **44.9252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7374, 0.2968, 0.3602**, and **23.3326, 0.2868, 0.3778** is the 20% darker color. If you saturate the color by 10%, you get **46.9169, 0.2859, 0.3842**, and if you desaturate by 10%, it is **51.3211, 0.3003, 0.3510**.

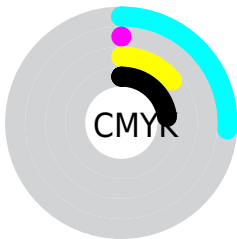
# Distribution



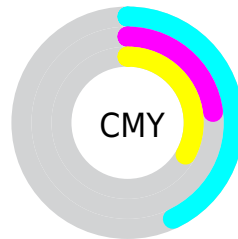
- Red (57%)
- Green (77%)
- Blue (67%)



- Red (57%)
- Yellow (71%)
- Blue (77%)



- Cyan (26%)
- Magenta (0%)
- Yellow (14%)
- Black (23%)




- Cyan (43%)
- Magenta (23%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9458, 0.2928, 0.3668 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 48.9458, 0.2928, 0.3668 by changing the saturation by 10% instead.





 48.9458, 0.2928,  
0.3668


 48.9458, 0.2928,  
0.3668


382.5289, 0.3029,  
0.3476

 34.5765, 0.2902,  
0.3717


 88.6109, 0.2965,  
0.3597

 23.3368, 0.2869,  
0.3781


 114.6756, 0.2979,  
0.3571

 14.8424, 0.2824,  
0.3867

145.4074, 0.2991,  
0.3549

 8.7089, 0.2760,  
0.3990

181.1909, 0.3001,  
0.3530

 4.5518, 0.2663,  
0.4178

222.4104, 0.3009,  
0.3514

 1.9868, 0.2496,  
0.4503

269.4503, 0.3017,

 0.5998, 0.0373,

0.3499

0.8476

322.6950, 0.3023,  
0.3487

0.0000, 0.0000,  
0.0000

48.9458, 0.2928,  
0.3668

48.9458, 0.2928,  
0.3668

46.9169, 0.2859,  
0.3842

51.3211, 0.3003,  
0.3510

45.2117, 0.2800,  
0.4029

54.0522, 0.3080,  
0.3367

43.8140, 0.2753,  
0.4228

57.1558, 0.3159,  
0.3240

42.7039, 0.2722,  
0.4434

60.6454, 0.3238,  
0.3127

41.8589, 0.2708,  
0.4641

64.5342, 0.3315,  
0.3028

■ 41.2531, 0.2715,  
0.4844

■ 67.0542, 0.3318,  
0.2933

■ 40.8542, 0.2740,  
0.5036

■ 67.6658, 0.3241,  
0.2834

■ 40.7248, 0.2753,  
0.5111

■ 68.3132, 0.3165,  
0.2737

■ 68.4178, 0.3154,  
0.2722

# Harmonies

## Analogous

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



48.9458, 0.3251, 0.3849



48.9458, 0.2928, 0.3668



48.9458, 0.2667, 0.3371

# Triad

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



48.9458, 0.2928, 0.3668



48.9458, 0.2701, 0.2756



48.9458, 0.3764, 0.3458

# Complementary

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



48.9458, 0.2928, 0.3668



35.4330, 0.3390, 0.2941

# 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.



48.9458, 0.3602, 0.3188



48.9458, 0.2928, 0.3668



48.9458, 0.2977, 0.2796

# Square

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



48.9458, 0.2928, 0.3668



48.9458, 0.2542, 0.2848



48.9458, 0.3308, 0.2951



48.9458, 0.3744, 0.3703



# Rectangle

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



48.9458, 0.2928, 0.3668



48.9458, 0.2560, 0.3163



48.9458, 0.3308, 0.2951



48.9458, 0.3729, 0.3368

# Sweetspot

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



48.9478, 0.2928, 0.3668



95.6586, 0.3063, 0.3397



50.9175, 0.3312, 0.3974



20.3106, 0.3051, 0.3418



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

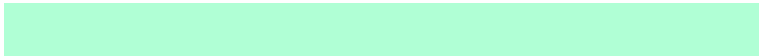


# Same Dimension

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



48.9478, 0.2928, 0.3668



85.5581, 0.2889, 0.3763



49.9993, 0.2762, 0.3312



11.9697, 0.3053, 0.3415



26.7997, 0.2747, 0.5087



1.2836, 0.2636, 0.4688



# Inverse Universe

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



35.4330, 0.3390, 0.2941



57.3404, 0.3464, 0.2863



34.5448, 0.3655, 0.3269



10.7291, 0.3208, 0.3168



8.4846, 0.4819, 0.2428



0.4163, 0.4394, 0.2194



# Previews

## White Background



This preview shows how the Yxy color 48.9458, 0.2928, 0.3668 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

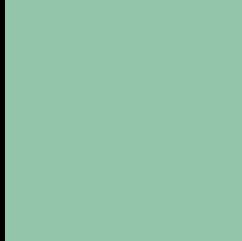
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9458, 0.2928, 0.3668 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

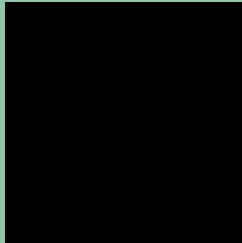
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.9458, 0.2928, 0.3668**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.9458, 0.2928, 0.3668.

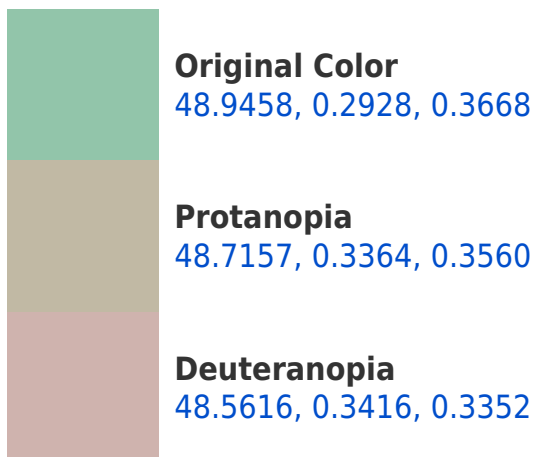


This preview shows how white text looks on a background with the Yxy color 48.9458, 0.2928, 0.3668.

# 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

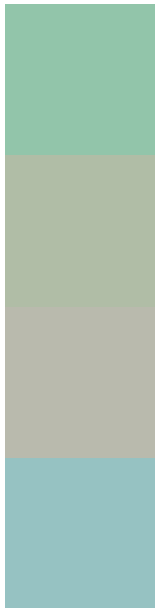




## Tritanopia

48.9766, 0.2730, 0.3091

# Trichromacy



**Original Color**

48.9458, 0.2928, 0.3668

**Protanomaly**

48.3785, 0.3196, 0.3597

**Deuteranomaly**

48.4492, 0.3221, 0.3459

**Tritanomaly**

48.9626, 0.2795, 0.3289

# Monochromacy



**Original Color**

48.9458, 0.2928, 0.3668

**Achromatopsia**

45.0786, 0.3127, 0.3290

**Achromatomaly**

46.4679, 0.3047, 0.3425

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9458, 0.2928, 0.3668 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(146, 197, 170)` looks like.

```
.text, #text, p{  
    color:rgb(146, 197, 170)  
}
```

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(146, 197, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 197, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9458, 0.2928, 0.3668 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(146, 197, 170) }
```

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

```
.border{ border-color:rgb(146, 197, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 197, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 197, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 197, 170);  
box-shadow:4px 4px 4px 4px rgb(146, 197,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9458, 0.2928, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 197, 170) }
```

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

```
.background{ background-color: rgb(146,  
197, 170) }
```

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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