

# Converting Colors

$Y_{xy}(48.8690, 0.3004, 0.3576)$

Have a look what the booklet for  
Yxy(48.8690, 0.3004, 0.3576)  
contains.

<b>Yxy(48.9716, 0.3004, 0.3577)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(48.9716, 0.3004, 0.3577)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FC2AD
RGB	159, 194, 173
RGB Percent	62%, 76%, 68%
CMY	0.3766, 0.2392, 0.3217
CMYK	0.18, 0.00, 0.11, 0.24
HSL	144°, 22%, 69%
HSV	144°, 18%, 76%
XYZ	41.1268, 48.9716, 46.8085
YIQ	181.1410, -14.1190, -13.9510

# Conversions

## Conversions Part 2

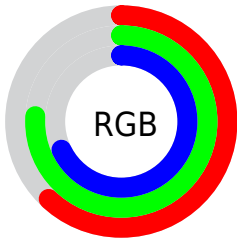
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 184, 194
Decimal	10470061
CIELab	75.43, -15.93, 6.70
CIElCh	75, 17.282, 157.191
Yxy	48.9716, 0.3004, 0.3577
Android (android.graphics.Color)	4288660141 (0xFF9FC2AD)
YUV	181.1410, -4.0135, -19.4177
Hunter-Lab	69.9797, -17.5607, 9.3275

# Details

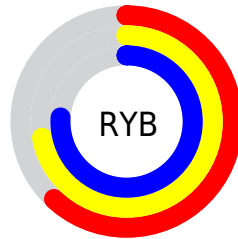
The Yxy color **48.9716, 0.3004, 0.3577** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.5538, 0.3274, 0.3019**, and the grayscale version is **46.3142, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8919, 0.3029, 0.3532**, and **23.2624, 0.2964, 0.3650** is the 20% darker color. If you saturate the color by 10%, you get **46.7124, 0.2939, 0.3762**, and if you desaturate by 10%, it is **51.5855, 0.3072, 0.3411**.

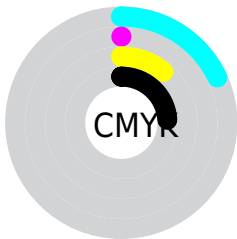
# Distribution



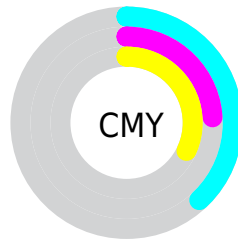
- Red (62%)
- Green (76%)
- Blue (68%)



- Red (62%)
- Yellow (72%)
- Blue (76%)



- Cyan (18%)
- Magenta (0%)
- Yellow (11%)
- Black (24%)




- Cyan (38%)
- Magenta (24%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9716, 0.3004, 0.3577 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 48.9716, 0.3004, 0.3577 by changing the saturation by 10% instead.




 48.9716, 0.3004,  
0.3577


 48.9716, 0.3004,  
0.3577


382.6305, 0.3067,  
0.3432

 34.5970, 0.2988,  
0.3614


 88.6493, 0.3027,  
0.3524

 23.3526, 0.2967,  
0.3662


 114.7211, 0.3035,  
0.3504

 14.8541, 0.2940,  
0.3726


145.4607, 0.3043,  
0.3487

 8.7170, 0.2900,  
0.3817

181.2526, 0.3049,  
0.3473

 4.5571, 0.2840,  
0.3955

222.4812, 0.3054,  
0.3461

 1.9898, 0.2737,  
0.4191

269.5307, 0.3059,

 0.6015, 0.1883,

0.3450

0.6195

322.7857, 0.3063,  
0.3440

0.0000, 0.0000,  
0.0000

48.9716, 0.3004,  
0.3577

48.9716, 0.3004,  
0.3577

46.7124, 0.2939,  
0.3762

51.5855, 0.3072,  
0.3411

44.7863, 0.2880,  
0.3964

54.5624, 0.3140,  
0.3263

43.1787, 0.2830,  
0.4182

57.9181, 0.3209,  
0.3132

41.8713, 0.2792,  
0.4410

61.6655, 0.3275,  
0.3017

40.8442, 0.2770,  
0.4644

65.6306, 0.3331,  
0.2916

■ 40.0746, 0.2765,  
0.4875

■ 66.3116, 0.3244,  
0.2805

■ 39.5364, 0.2779,  
0.5095

■ 67.0372, 0.3159,  
0.2697

■ 39.1897, 0.2809,  
0.5296

■ 67.0691, 0.3155,  
0.2693

■ 39.1327, 0.2815,  
0.5333

# Harmonies

## Analogous

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



48.9716, 0.3242, 0.3697



48.9716, 0.3004, 0.3577



48.9716, 0.2804, 0.3372

# Triad

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



48.9716, 0.3004, 0.3577



48.9716, 0.2800, 0.2898



48.9716, 0.3584, 0.3401

# Complementary

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



48.9716, 0.3004, 0.3577



39.5538, 0.3274, 0.3019

# 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.



48.9716, 0.3456, 0.3200



48.9716, 0.3004, 0.3577



48.9716, 0.2999, 0.2917

# Square

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



48.9716, 0.3004, 0.3577



48.9716, 0.2690, 0.2980



48.9716, 0.3240, 0.3027



48.9716, 0.3582, 0.3583



# Rectangle

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



48.9716, 0.3004, 0.3577



48.9716, 0.2717, 0.3221



48.9716, 0.3240, 0.3027



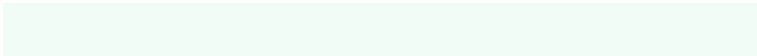
48.9716, 0.3554, 0.3334

# Sweetspot

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



48.9737, 0.3004, 0.3577



94.9837, 0.3092, 0.3365



50.8646, 0.3282, 0.3750



20.7183, 0.3087, 0.3376



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

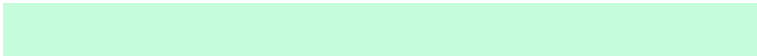


# Same Dimension

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



48.9737, 0.3004, 0.3577



86.8824, 0.2976, 0.3654



49.6718, 0.2886, 0.3344



11.3240, 0.3063, 0.3431



25.7402, 0.2808, 0.5309



1.1258, 0.2680, 0.4849



# Inverse Universe

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



39.5538, 0.3274, 0.3019



66.3989, 0.3316, 0.2952



38.9048, 0.3433, 0.3237



10.1771, 0.3197, 0.3153



8.3934, 0.4522, 0.2265



0.3760, 0.4154, 0.2062



# Previews

## White Background



This preview shows how the Yxy color 48.9716, 0.3004, 0.3577 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

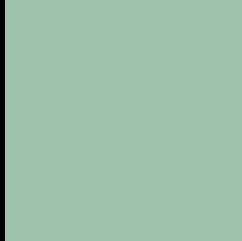
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9716, 0.3004, 0.3577 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

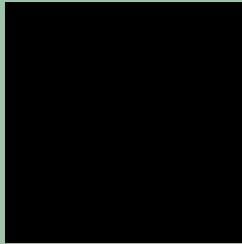
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

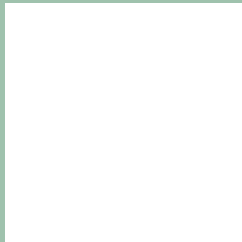
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.9716, 0.3004, 0.3577**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.9716, 0.3004, 0.3577.



This preview shows how white text looks on a background with the Yxy color 48.9716, 0.3004, 0.3577.

# 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

48.9716, 0.3004, 0.3577

### Protanopia

48.8625, 0.3332, 0.3508

### Deuteranopia

48.6402, 0.3399, 0.3328



## Tritanopia

48.8023, 0.2825, 0.3082

# Trichromacy



## Original Color

48.9716, 0.3004, 0.3577

## Protanomaly

48.6925, 0.3208, 0.3526

## Deuteranomaly

48.3233, 0.3250, 0.3406

## Tritanomaly

48.8984, 0.2893, 0.3263

# Monochromacy



## Original Color

48.9716, 0.3004, 0.3577

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

47.2164, 0.3081, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9716, 0.3004, 0.3577 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(159, 194, 173)` looks like.

```
.text, #text, p{  
    color:rgb(159, 194, 173)  
}
```

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(159, 194, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 194, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9716, 0.3004, 0.3577 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(159, 194, 173) }
```

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

```
.border{ border-color:rgb(159, 194, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 194, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 194, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 194, 173);  
box-shadow:4px 4px 4px 4px rgb(159, 194,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9716, 0.3004, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 194, 173) }
```

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

```
.background{ background-color: rgb(159,  
194, 173) }
```

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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