

# Converting Colors

$Yxy(49.0156, 0.2949, 0.3326)$

Have a look what the booklet for  
Yxy(49.0156, 0.2949, 0.3326)  
contains.

<b>Yxy(48.9994, 0.2951, 0.3329)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.9994, 0.2951, 0.3329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6BFBC
RGB	166, 191, 188
RGB Percent	65%, 75%, 74%
CMY	0.3490, 0.2510, 0.2627
CMYK	0.13, 0.00, 0.02, 0.25
HSL	173°, 16%, 70%
HSV	173°, 13%, 75%
XYZ	43.4356, 48.9994, 54.7545
YIQ	183.1830, -13.9370, -6.2330

# Conversions

## Conversions Part 2

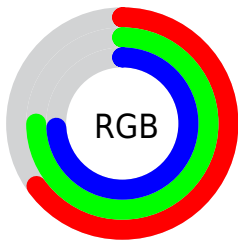
Format	Color
<a href="#">RYB</a>	<a href="#">166, 179, 191</a>
Decimal	<a href="#">10928060</a>
CIELab	<a href="#">75.45, -9.06, -1.37</a>
CIELCh	<a href="#">75, 9.159, 188.600</a>
Yxy	<a href="#">48.9994, 0.2951, 0.3329</a>
Android (android.graphics.Color)	<a href="#">4289118140</a> ( <a href="#">0xFFA6BFBC</a> )
YUV	<a href="#">183.1830, 2.3748, -15.0695</a>
Hunter-Lab	<a href="#">69.9996, -11.7377, 2.6223</a>

# Details

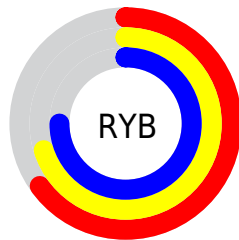
The Yxy color **48.9994, 0.2951, 0.3329** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.2149, 0.3336, 0.3252**, and the grayscale version is **47.4538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4253, 0.2982, 0.3320**, and **23.5036, 0.2903, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **46.9906, 0.2825, 0.3362**, and if you desaturate by 10%, it is **51.3204, 0.3085, 0.3299**.

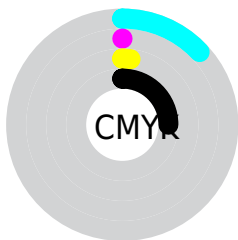
# Distribution



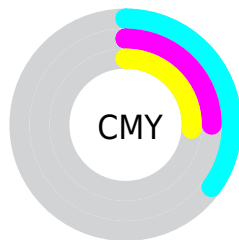
- Red (65%)
- Green (75%)
- Blue (74%)



- Red (65%)
- Yellow (70%)
- Blue (75%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (25%)




- Cyan (35%)
- Magenta (25%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.9994, 0.2951, 0.3329 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 48.9994, 0.2951, 0.3329 by changing the saturation by 10% instead.




 48.9994, 0.2951,  
0.3329


 48.9994, 0.2951,  
0.3329

382.7400, 0.3038,  
0.3310

 34.6190, 0.2930,  
0.3334


 88.6906, 0.2982,  
0.3322

 23.3695, 0.2902,  
0.3339


 114.7701, 0.2994,  
0.3320

 14.8666, 0.2866,  
0.3347


145.5182, 0.3004,  
0.3318

 8.7258, 0.2816,  
0.3357

181.3192, 0.3013,  
0.3316

 4.5628, 0.2742,  
0.3372

222.5574, 0.3021,  
0.3314

 1.9931, 0.2622,  
0.3395

269.6174, 0.3027,

 0.6035, 0.2063,

0.3313

0.3532

322.8834, 0.3033,  
0.3311

0.0000, 0.0000,  
0.0000

48.9994, 0.2951,  
0.3329

48.9994, 0.2951,  
0.3329

46.9906, 0.2825,  
0.3362

51.3204, 0.3085,  
0.3299

45.2743, 0.2709,  
0.3397

53.9602, 0.3223,  
0.3271

43.8383, 0.2606,  
0.3435

56.9326, 0.3364,  
0.3247

42.6667, 0.2519,  
0.3474

60.2490, 0.3505,  
0.3225

41.7423, 0.2450,  
0.3515

62.6654, 0.3591,  
0.3204

■ 41.0458, 0.2399,  
0.3556

■ 62.7724, 0.3572,  
0.3181

■ 40.5550, 0.2368,  
0.3598

■ 62.8810, 0.3553,  
0.3157

■ 40.2432, 0.2354,  
0.3639

■ 62.9912, 0.3534,  
0.3134

■ 40.0969, 0.2352,  
0.3667

■ 63.1031, 0.3516,  
0.3111

# Harmonies

## Analogous

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



48.9994, 0.3058, 0.3435



48.9994, 0.2951, 0.3329



48.9994, 0.2892, 0.3214

# Triad

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



48.9994, 0.2951, 0.3329



48.9994, 0.3066, 0.3090



48.9994, 0.3366, 0.3453

# Complementary

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



48.9994, 0.2951, 0.3329



41.2149, 0.3336, 0.3252

# 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.



48.9994, 0.3369, 0.3358



48.9994, 0.2951, 0.3329



48.9994, 0.3194, 0.3152

# Square

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



48.9994, 0.2951, 0.3329



48.9994, 0.2957, 0.3079



48.9994, 0.3305, 0.3249



48.9994, 0.3298, 0.3506



# Rectangle

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



48.9994, 0.2951, 0.3329



48.9994, 0.2886, 0.3149



48.9994, 0.3305, 0.3249



48.9994, 0.3374, 0.3424

# Sweetspot

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



49.0014, 0.2951, 0.3329



91.4831, 0.3071, 0.3302



48.4881, 0.3138, 0.3628



20.0159, 0.3061, 0.3304



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



49.0014, 0.2951, 0.3329



86.5614, 0.2910, 0.3339



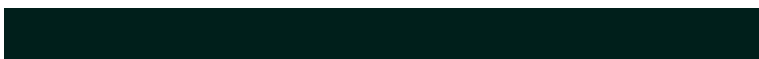
45.2580, 0.2927, 0.3167



10.7894, 0.3000, 0.3317



26.3585, 0.2350, 0.3662



1.0381, 0.2323, 0.3563



# Inverse Universe

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



41.2149, 0.3336, 0.3252



69.6182, 0.3396, 0.3242



44.5562, 0.3347, 0.3410



9.5544, 0.3270, 0.3263



7.3258, 0.6234, 0.3208



0.2931, 0.5745, 0.2939



# Previews

## White Background



This preview shows how the Yxy color 48.9994, 0.2951, 0.3329 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

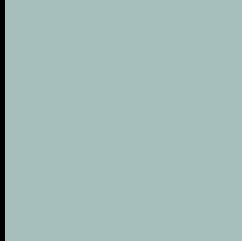
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.9994, 0.2951, 0.3329 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

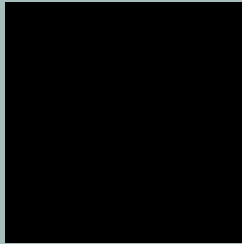
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

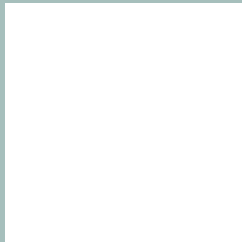
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.9994, 0.2951, 0.3329**

## **Background**



This preview shows how black text looks on a background with the Yxy color 48.9994, 0.2951, 0.3329.

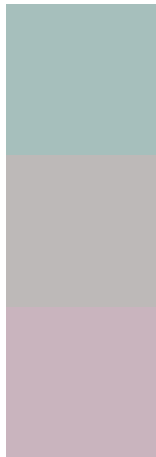


This preview shows how white text looks on a background with the Yxy color 48.9994, 0.2951, 0.3329.

# 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

48.9994, 0.2951, 0.3329

### Protanopia

48.9774, 0.3169, 0.3303

### Deuteranopia

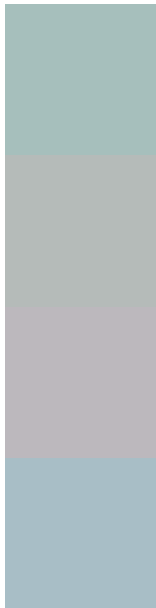
48.7777, 0.3228, 0.3168



## Tritanopia

49.1898, 0.2861, 0.3096

# Trichromacy



## Original Color

48.9994, 0.2951, 0.3329

## Protanomaly

48.8672, 0.3093, 0.3316

## Deuteranomaly

48.6465, 0.3122, 0.3227

## Tritanomaly

49.2290, 0.2896, 0.3185

# Monochromacy



## Original Color

48.9994, 0.2951, 0.3329

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.9677, 0.3060, 0.3303

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.9994, 0.2951, 0.3329 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(166, 191, 188)` looks like.

```
.text, #text, p{  
    color:rgb(166, 191, 188)  
}
```

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(166, 191, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 191, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 48.9994, 0.2951, 0.3329 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(166, 191, 188) }
```

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

```
.border{ border-color:rgb(166, 191, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 191, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 191, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 191, 188);  
box-shadow:4px 4px 4px 4px rgb(166, 191,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.9994, 0.2951, 0.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 191, 188) }
```

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

```
.background{ background-color: rgb(166,  
191, 188) }
```

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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