

# Converting Colors

$Y_{xy}(52.0940, 0.2871, 0.3179)$

Have a look what the booklet for  
Yxy(52.0940, 0.2871, 0.3179)  
contains.

<b>Yxy(51.9359, 0.2872, 0.3175)</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(51.9359, 0.2872, 0.3175)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAC3CC
RGB	170, 195, 204
RGB Percent	67%, 76%, 80%
CMY	0.3336, 0.2352, 0.2001
CMYK	0.17, 0.04, 0.00, 0.20
HSL	196°, 25%, 73%
HSV	196°, 17%, 80%
XYZ	46.9795, 51.9359, 64.6622
YIQ	188.5510, -17.7890, -2.5010

# Conversions

## Conversions Part 2

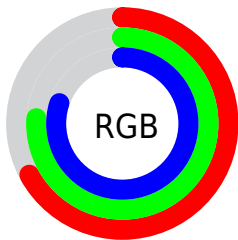
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 184, 204
Decimal	11191244
CIE <sub>Lab</sub>	77.24, -6.58, -7.35
CIE <sub>LCh</sub>	77, 9.861, 228.165
Yxy	51.9359, 0.2872, 0.3175
Android (android.graphics.Color)	4289381324 (0xFFAAC3CC)
YUV	188.5510, 7.6164, -16.2692
Hunter-Lab	72.0666, -9.7541, -2.7518

# Details

The Yxy color **51.9359, 0.2872, 0.3175** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.9332, 0.3424, 0.3402**, and the grayscale version is **50.5773, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0096, 0.2952, 0.3259**, and **25.0337, 0.2799, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **47.4766, 0.2722, 0.3097**, and if you desaturate by 10%, it is **56.8386, 0.3025, 0.3246**.

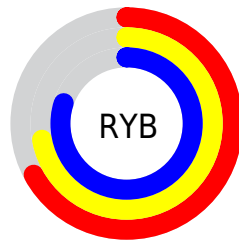
# Distribution



Red (67%)

Green (76%)

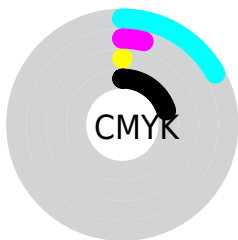
Blue (80%)



Red (67%)

Yellow (72%)

Blue (80%)

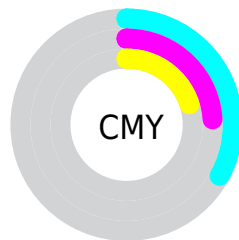


Cyan (17%)

Magenta (4%)

Yellow (0%)

Black (20%)



Cyan (33%)

Magenta (24%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.9359, 0.2872, 0.3175 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 51.9359, 0.2872, 0.3175 by changing the saturation by 10% instead.



■ 51.9359, 0.2872,  
0.3175

■ 51.9359, 0.2872,  
0.3175

■ 394.1891, 0.2996,  
0.3233

■ 36.9540, 0.2842,  
0.3161

■ 93.0367, 0.2916,  
0.3196

■ 25.1719, 0.2804,  
0.3142

■ 119.9244, 0.2933,  
0.3204

■ 16.2051, 0.2754,  
0.3118

■ 151.5494, 0.2948,  
0.3210

■ 9.6694, 0.2686,  
0.3084

■ 188.2962, 0.2960,  
0.3216

■ 5.1803, 0.2588,  
0.3033

■ 230.5492, 0.2971,  
0.3221

■ 2.3535, 0.2436,  
0.2951

■ 278.6928, 0.2980,

■ 0.8018, 0.2107,

0.3225

0.2809

333.1113, 0.2989,  
0.3229

0.0000, 0.0000,  
0.0000

51.9359, 0.2872,  
0.3175

51.9359, 0.2872,  
0.3175

47.4766, 0.2722,  
0.3097

56.8386, 0.3025,  
0.3246

43.4372, 0.2579,  
0.3013

62.1944, 0.3178,  
0.3311

39.8014, 0.2445,  
0.2924

68.0206, 0.3329,  
0.3368

36.5493, 0.2323,  
0.2830

74.3314, 0.3476,  
0.3420

33.6589, 0.2218,  
0.2733

77.7875, 0.3492,  
0.3472

■ 31.1052, 0.2131,  
0.2635

■ 80.6821, 0.3481,  
0.3526

■ 28.8596, 0.2064,  
0.2536

■ 83.6683, 0.3471,  
0.3578

■ 26.8848, 0.2016,  
0.2439

■ 86.7470, 0.3461,  
0.3630

■ 26.2683, 0.2002,  
0.2407

■ 89.9188, 0.3451,  
0.3682

# Harmonies

## Analogous

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



51.9359, 0.2915, 0.3292



51.9359, 0.2872, 0.3175



51.9359, 0.2896, 0.3093

# Triad

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



51.9359, 0.2872, 0.3175



51.9359, 0.3239, 0.3174



51.9359, 0.3273, 0.3523

# Complementary

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



51.9359, 0.2872, 0.3175



47.9332, 0.3424, 0.3402

# 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.



51.9359, 0.3363, 0.3485



51.9359, 0.2872, 0.3175



51.9359, 0.3344, 0.3283

# Square

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



51.9359, 0.2872, 0.3175



51.9359, 0.3105, 0.3094



51.9359, 0.3389, 0.3397



51.9359, 0.3145, 0.3497



# Rectangle

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



51.9359, 0.2872, 0.3175



51.9359, 0.2946, 0.3068



51.9359, 0.3389, 0.3397



51.9359, 0.3309, 0.3518

# Sweetspot

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



51.9380, 0.2872, 0.3175



95.5395, 0.3050, 0.3257



54.9480, 0.3048, 0.3622



20.3185, 0.3039, 0.3252



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

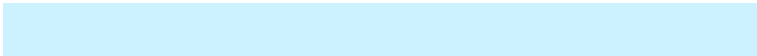


# Same Dimension

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



51.9380, 0.2872, 0.3175



83.3115, 0.2818, 0.3148



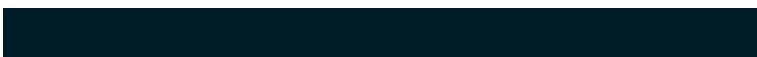
44.9175, 0.2862, 0.2957



12.2080, 0.2983, 0.3228



16.6957, 0.2006, 0.2420



0.9808, 0.2058, 0.2610



# Inverse Universe

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



45.5020, 0.3222, 0.2985



70.8313, 0.3245, 0.2917



54.9757, 0.3392, 0.3602



11.3514, 0.3177, 0.3121



9.4884, 0.4002, 0.1978

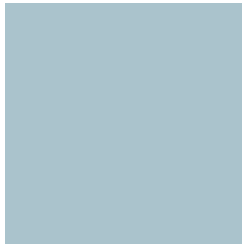


0.5016, 0.3814, 0.1875



# Previews

## White Background



This preview shows how the Yxy color 51.9359, 0.2872, 0.3175 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

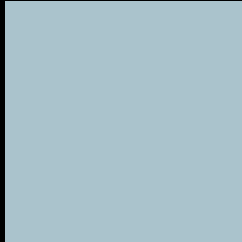
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.9359, 0.2872, 0.3175 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

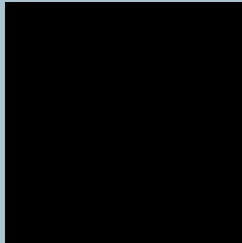
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

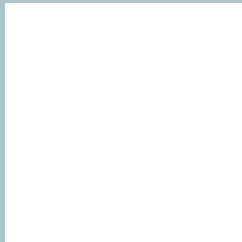
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.9359, 0.2872, 0.3175**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.9359, 0.2872, 0.3175.



This preview shows how white text looks on a background with the Yxy color 51.9359, 0.2872, 0.3175.

# 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

51.9359, 0.2872, 0.3175

### Protanopia

51.6886, 0.3053, 0.3142

### Deuteranopia

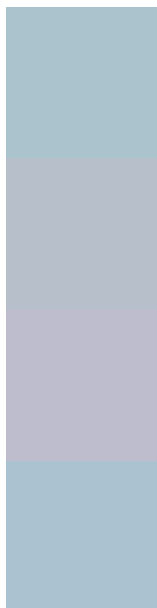
51.7107, 0.3106, 0.3039



## Tritanopia

51.8946, 0.2839, 0.3087

# Trichromacy



## Original Color

51.9359, 0.2872, 0.3175

## Protanomaly

51.5932, 0.2983, 0.3152

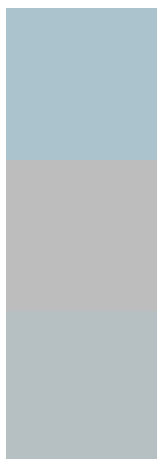
## Deuteranomaly

51.7501, 0.3016, 0.3093

## Tritanomaly

51.7956, 0.2852, 0.3112

# Monochromacy



## Original Color

51.9359, 0.2872, 0.3175

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.1017, 0.3033, 0.3252

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.9359, 0.2872, 0.3175 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(170, 195, 204)` looks like.

```
.text, #text, p{  
    color:rgb(170, 195, 204)  
}
```

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(170, 195, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 195, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 51.9359, 0.2872, 0.3175 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(170, 195, 204) }
```

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

```
.border{ border-color:rgb(170, 195, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 195, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 195, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 195, 204);  
box-shadow:4px 4px 4px 4px rgb(170, 195,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.9359, 0.2872, 0.3175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 195, 204) }
```

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

```
.background{ background-color: rgb(170,  
195, 204) }
```

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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