

# Converting Colors

$Yxy(52.5432, 0.2302, 0.3125)$

Have a look what the booklet for  
Yxy(52.5432, 0.2302, 0.3125)  
contains.

<b>Yxy(52.7067, 0.2301, 0.3123)</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(52.7067, 0.2301, 0.3123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47D2DE
RGB	71, 210, 222
RGB Percent	28%, 82%, 87%
CMY	0.7212, 0.1765, 0.1294
CMYK	0.68, 0.05, 0.00, 0.13
HSL	185°, 70%, 57%
HSV	185°, 68%, 87%
XYZ	38.8339, 52.7067, 77.2289
YIQ	169.8070, -86.6960, -25.7360

# Conversions

## Conversions Part 2

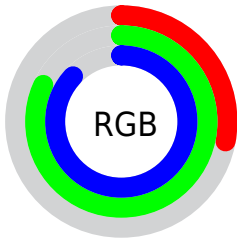
Format	Color
<a href="#">RYB</a>	<a href="#">71, 143, 222</a>
Decimal	<a href="#">4707038</a>
CIELab	<a href="#">77.70, -32.87, -16.81</a>
CIELCh	<a href="#">78, 36.917, 207.084</a>
Yxy	<a href="#">52.7067, 0.2301, 0.3123</a>
Android (android.graphics.Color)	<a href="#">4282897118</a> ( <a href="#">0xFF47D2DE</a> )
YUV	<a href="#">169.8070, 25.7311, -86.6537</a>
Hunter-Lab	<a href="#">72.5994, -31.5682, -12.2512</a>

# Details

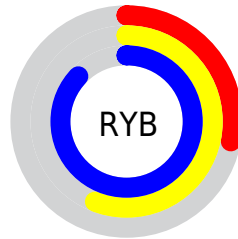
The Yxy color **52.7067, 0.2301, 0.3123** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.1854, 0.5287, 0.3413**, and the grayscale version is **40.0126, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **26.2327, 0.2185, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **51.1491, 0.2243, 0.3096**, and if you desaturate by 10%, it is **54.5843, 0.2379, 0.3150**.

# Distribution



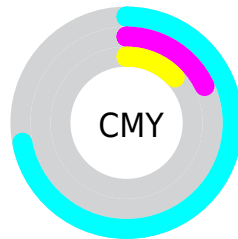
- Red (28%)
- Green (82%)
- Blue (87%)



- Red (28%)
- Yellow (56%)
- Blue (87%)



- Cyan (68%)
- Magenta (5%)
- Yellow (0%)
- Black (13%)




- Cyan (72%)
- Magenta (18%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.7067, 0.2301, 0.3123 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 52.7067, 0.2301, 0.3123 by changing the saturation by 10% instead.





 52.7067, 0.2301,  
0.3123


 52.7067, 0.2301,  
0.3123


397.1588, 0.2692,  
0.3217


 37.5687, 0.2210,  
0.3097


 94.1726, 0.2438,  
0.3159


 25.6481, 0.2097,  
0.3062


 121.2694, 0.2491,  
0.3172

 16.5606, 0.1954,  
0.3014


 153.1211, 0.2537,  
0.3183

 9.9217, 0.1768,  
0.2944

 190.1122, 0.2576,  
0.3192

 5.3471, 0.1516,  
0.2835

232.6272, 0.2611,  
0.3200

 2.4523, 0.1167,  
0.2650

281.0503, 0.2641,

 0.8526, 0.0023,

0.3206

0.2456

335.7661, 0.2668,  
0.3212

0.0000, 0.0000,  
0.0000

52.7067, 0.2301,  
0.3123

52.7067, 0.2301,  
0.3123

51.1491, 0.2243,  
0.3096

54.5843, 0.2379,  
0.3150

49.8705, 0.2203,  
0.3068

56.8062, 0.2475,  
0.3177

48.8231, 0.2181,  
0.3042


59.4005, 0.2588,  
0.3203


48.6236, 0.2177,  
0.3036


62.3913, 0.2716,  
0.3228

65.8001, 0.2856,  
0.3252

 69.6472, 0.3004,  
0.3274

 73.9515, 0.3159,  
0.3294

 78.7306, 0.3316,  
0.3312

 80.8620, 0.3359,  
0.3330

# Harmonies

## Analogous

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



52.7067, 0.2580, 0.3617



52.7067, 0.2301, 0.3123



52.7067, 0.2229, 0.2733

# Triad

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



52.7067, 0.2301, 0.3123



52.7067, 0.3178, 0.2679



52.7067, 0.3911, 0.4058

# Complementary

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



52.7067, 0.2301, 0.3123



22.1854, 0.5287, 0.3413

# 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.



52.7067, 0.4111, 0.3740



52.7067, 0.2301, 0.3123



52.7067, 0.3674, 0.2974

# Square

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



52.7067, 0.2301, 0.3123



52.7067, 0.2704, 0.2518



52.7067, 0.4026, 0.3350



52.7067, 0.3505, 0.4189



# Rectangle

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



52.7067, 0.2301, 0.3123



52.7067, 0.2300, 0.2575



52.7067, 0.4026, 0.3350



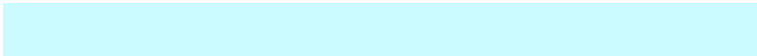
52.7067, 0.4006, 0.3966

# Sweetspot

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



52.7087, 0.2301, 0.3123



89.0176, 0.2824, 0.3247



54.1791, 0.2989, 0.5360



18.7655, 0.2784, 0.3240



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.



52.7087, 0.2301, 0.3123



69.1667, 0.2222, 0.3083



24.3620, 0.2029, 0.2005



15.3761, 0.2982, 0.3271



28.9597, 0.2178, 0.3040



2.0634, 0.2189, 0.3082



# Inverse Universe

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



24.7003, 0.3331, 0.1869



29.4014, 0.3376, 0.1720



39.9652, 0.4571, 0.4223



13.9159, 0.3150, 0.3077



11.8315, 0.3419, 0.1657

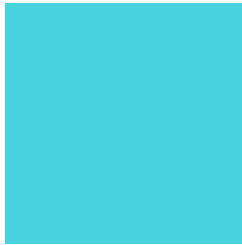


0.8258, 0.3383, 0.1637



# Previews

## White Background



This preview shows how the Yxy color 52.7067, 0.2301, 0.3123 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

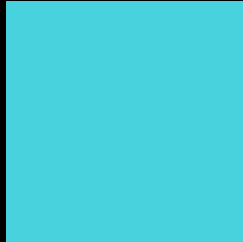
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.7067, 0.2301, 0.3123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

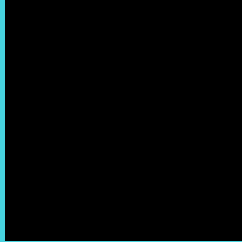
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.7067, 0.2301, 0.3123**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.7067, 0.2301, 0.3123.

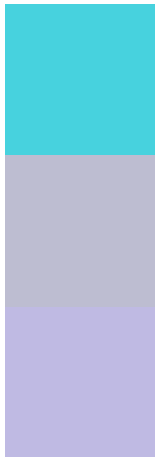


This preview shows how white text looks on a background with the Yxy color 52.7067, 0.2301, 0.3123.

# 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

52.7067, 0.2301, 0.3123

### Protanopia

51.8175, 0.2979, 0.3045

### Deuteranopia

51.7402, 0.2867, 0.2804



## Tritanopia

52.5478, 0.2289, 0.3057

# Trichromacy



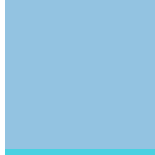
## Original Color

52.7067, 0.2301, 0.3123



## Protanomaly

50.8985, 0.2648, 0.3067



## Deuteranomaly

50.6695, 0.2588, 0.2905



## Tritanomaly

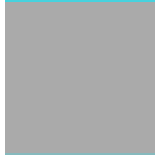
52.4536, 0.2290, 0.3069

# Monochromacy



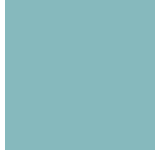
## Original Color

52.7067, 0.2301, 0.3123



## Achromatopsia

40.1978, 0.3127, 0.3290



## Achromatomaly

43.4404, 0.2705, 0.3232

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.7067, 0.2301, 0.3123 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(71, 210, 222)` looks like.

```
.text, #text, p{  
    color:rgb(71, 210, 222)  
}
```

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(71, 210, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 210, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 52.7067, 0.2301, 0.3123 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(71, 210, 222) }
```

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

```
.border{ border-color:rgb(71, 210, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 210, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 210, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 210, 222);  
box-shadow:4px 4px 4px 4px rgb(71, 210,  
222) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.7067, 0.2301, 0.3123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 210, 222) }
```

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

```
.background{ background-color: rgb(71, 210,  
222) }
```

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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