

# Converting Colors

$Yxy(52.0686, 0.2741, 0.3224)$

Have a look what the booklet for  
Yxy(52.0686, 0.2741, 0.3224)  
contains.

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# Color

**Yxy(52.2956, 0.2739, 0.3223)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97C8CD
RGB	151, 200, 205
RGB Percent	59%, 78%, 80%
CMY	0.4077, 0.2157, 0.1960
CMYK	0.26, 0.02, 0.00, 0.20
HSL	186°, 35%, 70%
HSV	186°, 26%, 80%
XYZ	44.4423, 52.2956, 65.5196
YIQ	185.9190, -30.8090, -8.8330

# Conversions

## Conversions Part 2

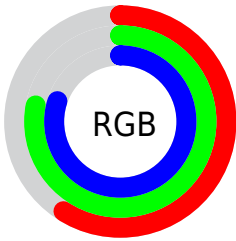
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 177, 205
Decimal	9947341
CIELab	77.46, -14.75, -7.72
CIELCh	77, 16.648, 207.614
Yxy	52.2956, 0.2739, 0.3223
Android (android.graphics.Color)	4288137421 (0xFF97C8CD)
YUV	185.9190, 9.4069, -30.6240
Hunter-Lab	72.3157, -16.8535, -3.0970

# Details

The Yxy color **52.2956, 0.2739, 0.3223** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0136, 0.3670, 0.3356**, and the grayscale version is **49.0196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **25.3888, 0.2634, 0.3199** is the 20% darker color. If you saturate the color by 10%, you get **49.6251, 0.2608, 0.3194**, and if you desaturate by 10%, it is **55.3224, 0.2881, 0.3250**.

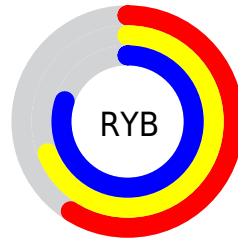
# Distribution



Red (59%)

Green (78%)

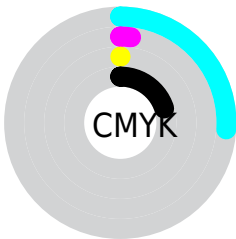
Blue (80%)



Red (59%)

Yellow (69%)

Blue (80%)

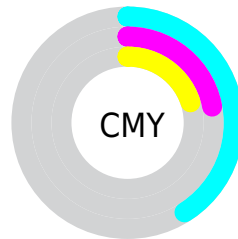


Cyan (26%)

Magenta (2%)

Yellow (0%)

Black (20%)



Cyan (41%)

Magenta (22%)


Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2956, 0.2739, 0.3223 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 52.2956, 0.2739, 0.3223 by changing the saturation by 10% instead.





 52.2956, 0.2739,  
0.3223

 52.2956, 0.2739,  
0.3223


395.5767, 0.2927,  
0.3259

 37.2407, 0.2694,  
0.3214


 93.5670, 0.2806,  
0.3236

 25.3939, 0.2637,  
0.3201


 120.5524, 0.2832,  
0.3241

 16.3708, 0.2563,  
0.3184


152.2834, 0.2853,  
0.3245

 9.7869, 0.2462,  
0.3159

189.1445, 0.2872,  
0.3249

 5.2579, 0.2319,  
0.3121

231.5199, 0.2889,  
0.3252

 2.3994, 0.2100,  
0.3054

279.7942, 0.2903,

 0.8256, 0.1532,

0.3254

0.2980

334.3516, 0.2916,  
0.3257

0.0000, 0.0000,  
0.0000

52.2956, 0.2739,  
0.3223

52.2956, 0.2739,  
0.3223

49.6251, 0.2608,  
0.3194

55.3224, 0.2881,  
0.3250

47.2870, 0.2491,  
0.3164

58.7157, 0.3030,  
0.3275

45.2640, 0.2391,  
0.3133

62.4930, 0.3184,  
0.3298

43.5349, 0.2308,  
0.3101

66.6686, 0.3341,  
0.3319

42.0755, 0.2245,  
0.3068

71.2563, 0.3497,  
0.3337

■ 40.8580, 0.2200,  
0.3037

■ 72.4760, 0.3504,  
0.3357

■ 39.8466, 0.2173,  
0.3005

■ 73.4321, 0.3501,  
0.3376

■ 39.5025, 0.2165,  
0.2994

■ 74.3994, 0.3497,  
0.3395

■ 75.3780, 0.3493,  
0.3415

# Harmonies

## Analogous

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



52.2956, 0.2876, 0.3434



52.2956, 0.2739, 0.3223



52.2956, 0.2703, 0.3041

# Triad

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



52.2956, 0.2739, 0.3223



52.2956, 0.3161, 0.3000



52.2956, 0.3486, 0.3649

# Complementary

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



52.2956, 0.2739, 0.3223



39.0136, 0.3670, 0.3356

# 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.



52.2956, 0.3570, 0.3517



52.2956, 0.2739, 0.3223



52.2956, 0.3379, 0.3149

# Square

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



52.2956, 0.2739, 0.3223



52.2956, 0.2940, 0.2922



52.2956, 0.3531, 0.3335



52.2956, 0.3306, 0.3686



# Rectangle

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



52.2956, 0.2739, 0.3223



52.2956, 0.2739, 0.2960



52.2956, 0.3531, 0.3335



52.2956, 0.3527, 0.3614

# Sweetspot

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



52.2977, 0.2739, 0.3223



95.1292, 0.3003, 0.3271



52.6383, 0.3062, 0.3974



20.1754, 0.2980, 0.3267



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.



52.2977, 0.2739, 0.3223



82.9213, 0.2658, 0.3206



41.0815, 0.2705, 0.2861



12.5416, 0.2983, 0.3268



24.6618, 0.2166, 0.2998



1.3255, 0.2183, 0.3060



# Inverse Universe

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



39.2963, 0.3203, 0.2696



58.0414, 0.3223, 0.2559



48.8886, 0.3587, 0.3684



11.3851, 0.3152, 0.3082



10.2926, 0.3456, 0.1677

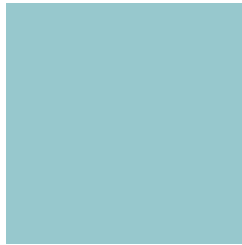


0.5364, 0.3402, 0.1648



# Previews

## White Background



This preview shows how the Yxy color 52.2956, 0.2739, 0.3223 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

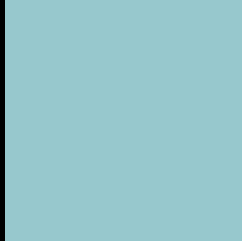
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2956, 0.2739, 0.3223 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

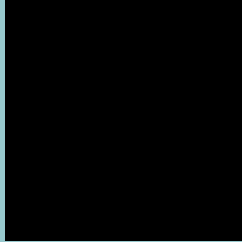
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

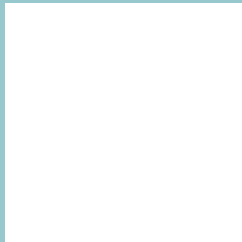
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.2956, 0.2739, 0.3223**

## Background



This preview shows how black text looks on a background with the Yxy color 52.2956, 0.2739, 0.3223.

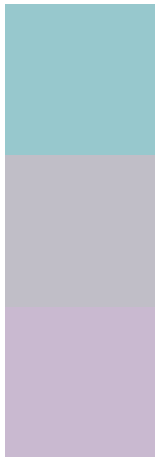


This preview shows how white text looks on a background with the Yxy color 52.2956, 0.2739, 0.3223.

# 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

52.2956, 0.2739, 0.3223

### Protanopia

52.1569, 0.3076, 0.3179

### Deuteranopia

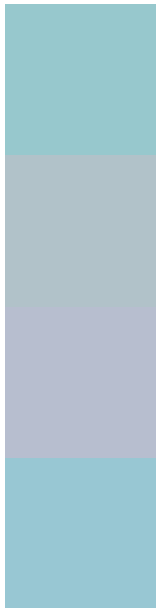
51.6695, 0.3083, 0.3015



## Tritanopia

52.4742, 0.2696, 0.3096

# Trichromacy



**Original Color**

52.2956, 0.2739, 0.3223

**Protanomaly**

52.1477, 0.2944, 0.3201

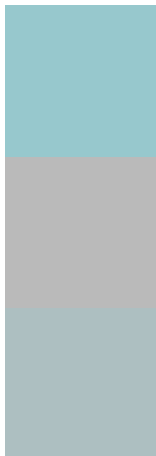
**Deuteranomaly**

51.3992, 0.2947, 0.3078

**Tritanomaly**

52.2254, 0.2708, 0.3133

# Monochromacy



**Original Color**

52.2956, 0.2739, 0.3223

**Achromatopsia**

49.1021, 0.3127, 0.3290

**Achromatomaly**

49.9961, 0.2970, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2956, 0.2739, 0.3223 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(151, 200, 205)` looks like.

```
.text, #text, p{  
    color:rgb(151, 200, 205)  
}
```

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(151, 200, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 200, 205) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2956, 0.2739, 0.3223 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(151, 200, 205) }
```

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

```
.border{ border-color:rgb(151, 200, 205) }
```

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

Here you see how a box with a 4 pixel rgb(151, 200, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 200, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 200, 205);  
box-shadow:4px 4px 4px 4px rgb(151, 200,  
205) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.2956, 0.2739, 0.3223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 200, 205) }
```

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

```
.background{ background-color: rgb(151,  
200, 205) }
```

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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