

# Converting Colors

Yxy(51.7486, 0.2832, 0.3218)

Have a look what the booklet for  
Yxy(51.7486, 0.2832, 0.3218)  
contains.

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# Color

**Yxy(51.8782, 0.2830, 0.3224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2C5CA
RGB	162, 197, 202
RGB Percent	64%, 77%, 79%
CMY	0.3644, 0.2275, 0.2078
CMYK	0.20, 0.02, 0.00, 0.21
HSL	188°, 27%, 71%
HSV	188°, 20%, 79%
XYZ	45.5382, 51.8782, 63.4961
YIQ	187.1050, -22.4650, -5.8650

# Conversions

## Conversions Part 2

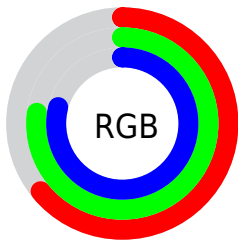
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 181, 202
Decimal	10667466
CIELab	77.21, -10.51, -6.39
CIElCh	77, 12.303, 211.292
Yxy	51.8782, 0.2830, 0.3224
Android (android.graphics.Color)	4288857546 (0xFFA2C5CA)
YUV	187.1050, 7.3432, -22.0171
Hunter-Lab	72.0265, -13.1911, -1.8494

# Details

The Yxy color **51.8782, 0.2830, 0.3224** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8403, 0.3502, 0.3355**, and the grayscale version is **49.7317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8553, 0.2900, 0.3279**, and **25.0980, 0.2754, 0.3200** is the 20% darker color. If you saturate the color by 10%, you get **48.7869, 0.2690, 0.3187**, and if you desaturate by 10%, it is **55.3331, 0.2978, 0.3259**.

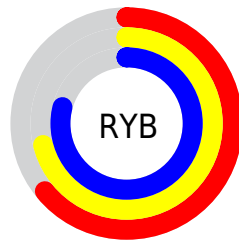
# Distribution



Red (64%)

Green (77%)

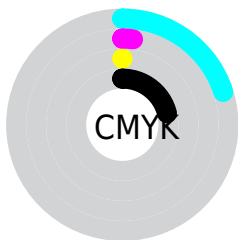
Blue (79%)



Red (64%)

Yellow (71%)

Blue (79%)

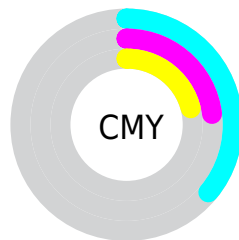


Cyan (20%)

Magenta (2%)

Yellow (0%)

Black (21%)



Cyan (36%)

Magenta (23%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8782, 0.2830, 0.3224 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 51.8782, 0.2830, 0.3224 by changing the saturation by 10% instead.




 51.8782, 0.2830,  
0.3224


 51.8782, 0.2830,  
0.3224


393.9662, 0.2975,  
0.3258

 36.9080, 0.2795,  
0.3215

 92.9516, 0.2882,  
0.3237

 25.1363, 0.2751,  
0.3204


 119.8236, 0.2901,  
0.3241

 16.1786, 0.2693,  
0.3188


151.4316, 0.2918,  
0.3245

 9.6506, 0.2614,  
0.3166

188.1600, 0.2933,  
0.3249

 5.1679, 0.2501,  
0.3133

230.3933, 0.2945,  
0.3251

 2.3461, 0.2325,  
0.3075

278.5159, 0.2956,

 0.7980, 0.1887,

0.3254

0.3000

332.9120, 0.2966,  
0.3256

0.0000, 0.0000,  
0.0000

51.8782, 0.2830,  
0.3224

51.8782, 0.2830,  
0.3224

48.7869, 0.2690,  
0.3187

55.3331, 0.2978,  
0.3259

46.0365, 0.2561,  
0.3147

59.1604, 0.3131,  
0.3291

43.6116, 0.2446,  
0.3105

63.3765, 0.3286,  
0.3320

41.4928, 0.2347,  
0.3062

67.9949, 0.3441,  
0.3345

39.6588, 0.2267,  
0.3018

71.4647, 0.3531,  
0.3370

■ 38.0851, 0.2205,  
0.2974

■ 72.7267, 0.3525,  
0.3396

■ 36.7430, 0.2163,  
0.2930

■ 74.0086, 0.3520,  
0.3421

■ 35.5798, 0.2135,  
0.2886

■ 75.3107, 0.3515,  
0.3447

■ 35.5540, 0.2135,  
0.2885

■ 76.6329, 0.3510,  
0.3473

# Harmonies

## Analogous

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



51.8782, 0.2925, 0.3378



51.8782, 0.2830, 0.3224



51.8782, 0.2813, 0.3094

# Triad

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



51.8782, 0.2830, 0.3224



51.8782, 0.3174, 0.3084



51.8782, 0.3380, 0.3564

# Complementary

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



51.8782, 0.2830, 0.3224



42.8403, 0.3502, 0.3355

# 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.



51.8782, 0.3452, 0.3476



51.8782, 0.2830, 0.3224



51.8782, 0.3331, 0.3201

# Square

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



51.8782, 0.2830, 0.3224



51.8782, 0.3008, 0.3018



51.8782, 0.3434, 0.3343



51.8782, 0.3241, 0.3578



# Rectangle

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



51.8782, 0.2830, 0.3224



51.8782, 0.2847, 0.3037



51.8782, 0.3434, 0.3343



51.8782, 0.3413, 0.3542

# Sweetspot

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



51.8803, 0.2830, 0.3224



95.9913, 0.3034, 0.3271



52.7146, 0.3070, 0.3764



20.4558, 0.3024, 0.3269



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.



51.8803, 0.2830, 0.3224



85.3704, 0.2765, 0.3207



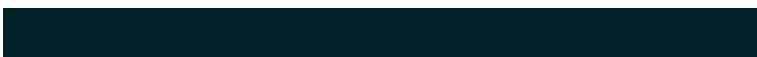
43.5481, 0.2814, 0.2962



12.4769, 0.2983, 0.3260



22.9662, 0.2137, 0.2891



1.2539, 0.2160, 0.2976



# Inverse Universe

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



42.4538, 0.3193, 0.2862



66.4888, 0.3211, 0.2761



50.5825, 0.3456, 0.3598



11.3785, 0.3157, 0.3090



10.1214, 0.3551, 0.1730



0.5291, 0.3475, 0.1688



# Previews

## White Background



This preview shows how the Yxy color 51.8782, 0.2830, 0.3224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

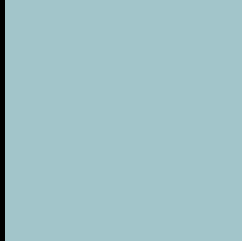
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.8782, 0.2830, 0.3224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

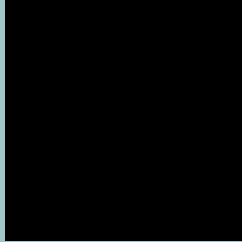
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

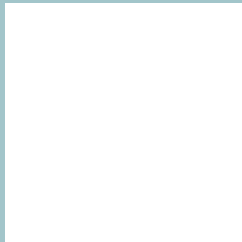
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.8782, 0.2830, 0.3224**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.8782, 0.2830, 0.3224.



This preview shows how white text looks on a background with the Yxy color 51.8782, 0.2830, 0.3224.

# 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

51.8782, 0.2830, 0.3224

### Protanopia

51.6329, 0.3091, 0.3191

### Deuteranopia

51.6623, 0.3114, 0.3051



## Tritanopia

52.0755, 0.2785, 0.3098

# Trichromacy



## Original Color

51.8782, 0.2830, 0.3224

## Protanomaly

51.6466, 0.2989, 0.3201

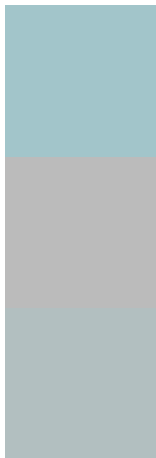
## Deuteranomaly

51.3196, 0.2999, 0.3104

## Tritanomaly

51.8205, 0.2797, 0.3135

# Monochromacy



## Original Color

51.8782, 0.2830, 0.3224

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.5324, 0.3016, 0.3277

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.8782, 0.2830, 0.3224 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(162, 197, 202)` looks like.

```
.text, #text, p{  
    color:rgb(162, 197, 202)  
}
```

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(162, 197, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 197, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 51.8782, 0.2830, 0.3224 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(162, 197, 202) }
```

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

```
.border{ border-color:rgb(162, 197, 202) }
```

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

Here you see how a box with a 4 pixel rgb(162, 197, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 197, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 197, 202);  
box-shadow:4px 4px 4px 4px rgb(162, 197,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.8782, 0.2830, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 197, 202) }
```

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

```
.background{ background-color: rgb(162,  
197, 202) }
```

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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