

# Converting Colors

$Y_{xy}(50.0298, 0.2772, 0.3192)$

Have a look what the booklet for  
Yxy(50.0298, 0.2772, 0.3192)  
contains.

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# Color

**Yxy(50.1645, 0.2772, 0.3197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AC3CA
RGB	154, 195, 202
RGB Percent	60%, 76%, 79%
CMY	0.3962, 0.2352, 0.2079
CMYK	0.24, 0.03, 0.00, 0.21
HSL	189°, 31%, 70%
HSV	189°, 24%, 79%
XYZ	43.4958, 50.1645, 63.2509
YIQ	183.5390, -26.6830, -6.5150

# Conversions

## Conversions Part 2

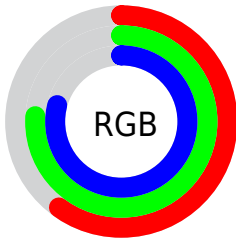
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 176, 202
Decimal	10142666
CIELab	76.17, -11.98, -7.96
CIElCh	76, 14.384, 213.618
Yxy	50.1645, 0.2772, 0.3197
Android (android.graphics.Color)	4288332746 (0xFF9AC3CA)
YUV	183.5390, 9.1013, -25.9057
Hunter-Lab	70.8269, -14.3278, -3.3692

# Details

The Yxy color **50.1645, 0.2772, 0.3197** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.3529, 0.3596, 0.3381**, and the grayscale version is **47.6231, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3961, 0.2853, 0.3258**, and **24.0127, 0.2680, 0.3162** is the 20% darker color. If you saturate the color by 10%, you get **47.0490, 0.2635, 0.3153**, and if you desaturate by 10%, it is **53.6433, 0.2918, 0.3238**.

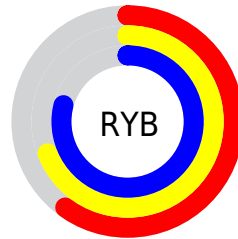
# Distribution



Red (60%)

Green (76%)

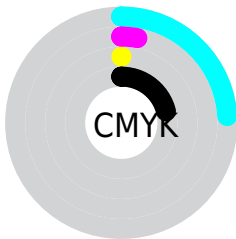
Blue (79%)



Red (60%)

Yellow (69%)

Blue (79%)

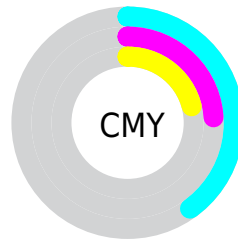


Cyan (24%)

Magenta (3%)

Yellow (0%)

Black (21%)



Cyan (40%)

Magenta (24%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1645, 0.2772, 0.3197 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 50.1645, 0.2772, 0.3197 by changing the saturation by 10% instead.



■ 50.1645, 0.2772,  
0.3197

■ 50.1645, 0.2772,  
0.3197

■ 387.3089, 0.2946,  
0.3245

■ 35.5441, 0.2730,  
0.3184

■ 90.4186, 0.2834,  
0.3215

■ 24.0823, 0.2677,  
0.3168

■ 116.8210, 0.2858,  
0.3222

■ 15.3947, 0.2607,  
0.3146

■ 147.9197, 0.2878,  
0.3227

■ 9.0969, 0.2512,  
0.3114

■ 184.0988, 0.2895,  
0.3232

■ 4.8044, 0.2375,  
0.3066

■ 225.7429, 0.2910,  
0.3236

■ 2.1330, 0.2162,  
0.2982

■ 273.2364, 0.2923,

■ 0.6831, 0.1499,

0.3239

0.2869

326.9636, 0.2935,  
0.3243

0.0000, 0.0000,  
0.0000

50.1645, 0.2772,  
0.3197

50.1645, 0.2772,  
0.3197

47.0490, 0.2635,  
0.3153

53.6433, 0.2918,  
0.3238

44.2737, 0.2509,  
0.3105

57.4949, 0.3069,  
0.3277

41.8226, 0.2398,  
0.3056

61.7360, 0.3223,  
0.3311

39.6755, 0.2304,  
0.3006

66.3805, 0.3378,  
0.3342

37.8098, 0.2228,  
0.2954

71.4415, 0.3531,  
0.3370

■ 36.1997, 0.2172,  
0.2903

■ 72.9054, 0.3525,  
0.3400

■ 34.8137, 0.2134,  
0.2852

■ 74.3888, 0.3519,  
0.3429

■ 34.0276, 0.2117,  
0.2820

■ 75.8989, 0.3513,  
0.3459

■ 77.4359, 0.3507,  
0.3488

# Harmonies

## Analogous

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



50.1645, 0.2877, 0.3380



50.1645, 0.2772, 0.3197



50.1645, 0.2759, 0.3048

# Triad

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



50.1645, 0.2772, 0.3197



50.1645, 0.3197, 0.3057



50.1645, 0.3416, 0.3619

# Complementary

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



50.1645, 0.2772, 0.3197



40.3529, 0.3596, 0.3381

# 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.



50.1645, 0.3508, 0.3519



50.1645, 0.2772, 0.3197



50.1645, 0.3381, 0.3197

# Square

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



50.1645, 0.2772, 0.3197



50.1645, 0.3000, 0.2974



50.1645, 0.3496, 0.3364



50.1645, 0.3246, 0.3630



# Rectangle

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



50.1645, 0.2772, 0.3197



50.1645, 0.2804, 0.2986



50.1645, 0.3496, 0.3364



50.1645, 0.3457, 0.3594

# Sweetspot

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



50.1665, 0.2772, 0.3197



95.1296, 0.3018, 0.3264



51.6480, 0.3052, 0.3863



20.2751, 0.3009, 0.3262



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

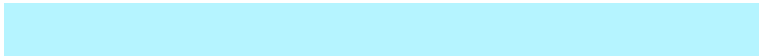


# Same Dimension

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



50.1665, 0.2772, 0.3197



81.9162, 0.2693, 0.3172



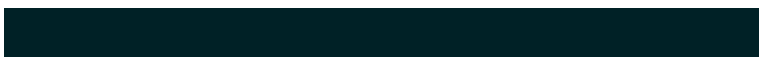
40.4740, 0.2746, 0.2875



12.4389, 0.2983, 0.3256



22.0036, 0.2119, 0.2827



1.2128, 0.2146, 0.2926



# Inverse Universe

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



39.5966, 0.3217, 0.2784



60.8764, 0.3242, 0.2662



49.3222, 0.3529, 0.3672



11.3747, 0.3159, 0.3094



10.0243, 0.3610, 0.1762



0.5250, 0.3520, 0.1713



# Previews

## White Background



This preview shows how the Yxy color 50.1645, 0.2772, 0.3197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

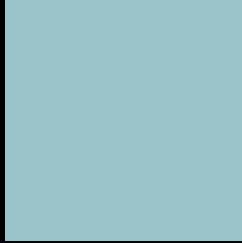
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.1645, 0.2772, 0.3197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

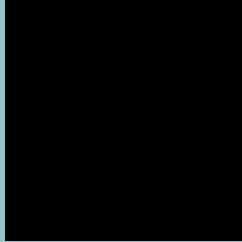
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

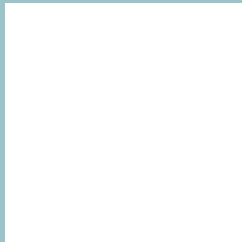
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.1645, 0.2772, 0.3197**

## Background



This preview shows how black text looks on a background with the Yxy color 50.1645, 0.2772, 0.3197.



This preview shows how white text looks on a background with the Yxy color 50.1645, 0.2772, 0.3197.

# 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**

50.1645, 0.2772, 0.3197

**Protanopia**

49.8404, 0.3060, 0.3152

**Deuteranopia**

49.8694, 0.3082, 0.3011



## Tritanopia

50.2549, 0.2740, 0.3094

# Trichromacy



## Original Color

50.1645, 0.2772, 0.3197

## Protanomaly

49.7488, 0.2950, 0.3162

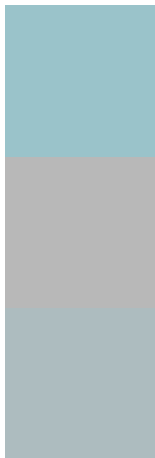
## Deuteranomaly

49.8454, 0.2960, 0.3076

## Tritanomaly

50.0084, 0.2752, 0.3132

# Monochromacy



## Original Color

50.1645, 0.2772, 0.3197

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.6123, 0.2984, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.1645, 0.2772, 0.3197 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(154, 195, 202)` looks like.

```
.text, #text, p{  
    color:rgb(154, 195, 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(154, 195, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 195, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 50.1645, 0.2772, 0.3197 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(154, 195, 202) }
```

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

```
.border{ border-color:rgb(154, 195, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 195, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 195, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 195, 202);  
box-shadow:4px 4px 4px 4px rgb(154, 195,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.1645, 0.2772, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 195, 202) }
```

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

```
.background{ background-color: rgb(154,  
195, 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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