

# Converting Colors

$Yxy(55.0888, 0.2668, 0.3110)$

Have a look what the booklet for  
Yxy(55.0888, 0.2668, 0.3110)  
contains.

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# Color

**Yxy(54.9231, 0.2673, 0.3111)**

# Conversions

## Conversions Part 1

Format	Color
Hex	98CCDA
RGB	152, 204, 218
RGB Percent	60%, 80%, 85%
CMY	0.4040, 0.2000, 0.1452
CMYK	0.30, 0.06, 0.00, 0.15
HSL	193°, 47%, 73%
HSV	193°, 30%, 85%
XYZ	47.1904, 54.9231, 74.4313
YIQ	190.0480, -35.4860, -6.6700

# Conversions

## Conversions Part 2

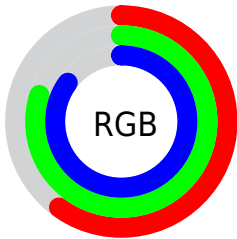
<b>Format</b>	<b>Color</b>
<b>RYB</b>	152, 181, 218
Decimal	10013914
CIELab	79.00, -13.55, -12.39
CIELCh	79, 18.363, 222.452
Yxy	54.9231, 0.2673, 0.3111
Android (android.graphics.Color)	4288203994 (0xFF98CCDA)
YUV	190.0480, 13.7803, -33.3681
Hunter-Lab	74.1101, -16.0309, -7.6699

# Details

The Yxy color **54.9231, 0.2673, 0.3111** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.4206, 0.3755, 0.3461**, and the grayscale version is **51.4536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **27.1097, 0.2562, 0.3065** is the 20% darker color. If you saturate the color by 10%, you get **50.8512, 0.2537, 0.3042**, and if you desaturate by 10%, it is **59.4509, 0.2818, 0.3175**.

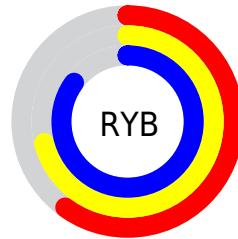
# Distribution



Red (60%)

Green (80%)

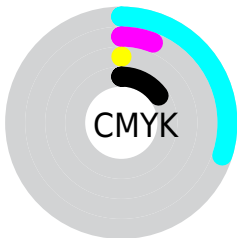
Blue (85%)



Red (60%)

Yellow (71%)

Blue (85%)

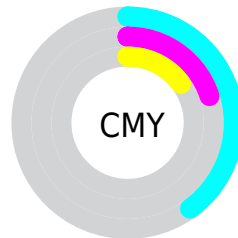


Cyan (30%)

Magenta (6%)

Yellow (0%)

Black (15%)



Cyan (40%)

Magenta (20%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9231, 0.2673, 0.3111 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 54.9231, 0.2673, 0.3111 by changing the saturation by 10% instead.



■ 54.9231, 0.2673,  
0.3111

■ 54.9231, 0.2673,  
0.3111

405.6204, 0.2890,  
0.3201

■ 39.3402, 0.2622,  
0.3088

■ 97.4283, 0.2750,  
0.3144

■ 27.0245, 0.2557,  
0.3059

■ 125.1193, 0.2779,  
0.3156

■ 17.5916, 0.2474,  
0.3021

157.6151, 0.2805,  
0.3167

■ 10.6572, 0.2363,  
0.2967

195.3002, 0.2826,  
0.3176

■ 5.8368, 0.2208,  
0.2887

238.5588, 0.2845,  
0.3183

■ 2.7461, 0.1978,  
0.2760

287.7755, 0.2862,

■ 1.0007, 0.1562,

0.3190

0.2538

343.3345, 0.2877,  
0.3196

0.0000, 0.0000,  
0.0000

54.9231, 0.2673,  
0.3111

54.9231, 0.2673,  
0.3111

50.8512, 0.2537,  
0.3042

59.4509, 0.2818,  
0.3175

47.2068, 0.2412,  
0.2970

64.4480, 0.2969,  
0.3235

43.9683, 0.2303,  
0.2894

69.9356, 0.3123,  
0.3289

41.1092, 0.2212,  
0.2817

75.9312, 0.3277,  
0.3337

38.5994, 0.2140,  
0.2739

81.3030, 0.3385,  
0.3382

■ 36.4031, 0.2087,  
0.2661

■ 83.8619, 0.3379,  
0.3428

■ 34.5082, 0.2052,  
0.2586

■ 86.4889, 0.3372,  
0.3473

■ 89.1847, 0.3365,  
0.3518

■ 91.9495, 0.3359,  
0.3562

# Harmonies

## Analogous

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



54.9231, 0.2769, 0.3333



54.9231, 0.2673, 0.3111



54.9231, 0.2692, 0.2951

# Triad

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



54.9231, 0.2673, 0.3111



54.9231, 0.3285, 0.3048



54.9231, 0.3429, 0.3715

# Complementary

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



54.9231, 0.2673, 0.3111



44.4206, 0.3755, 0.3461

# 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.



54.9231, 0.3579, 0.3616



54.9231, 0.2673, 0.3111



54.9231, 0.3495, 0.3233

# Square

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



54.9231, 0.2673, 0.3111



54.9231, 0.3038, 0.2923



54.9231, 0.3604, 0.3439



54.9231, 0.3202, 0.3694



# Rectangle

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



54.9231, 0.2673, 0.3111



54.9231, 0.2768, 0.2896



54.9231, 0.3604, 0.3439



54.9231, 0.3490, 0.3694

# Sweetspot

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



54.9253, 0.2673, 0.3111



92.8441, 0.2988, 0.3241



59.5298, 0.3005, 0.3991



19.6366, 0.2965, 0.3233



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

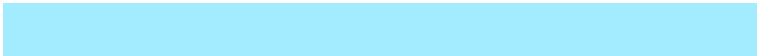


# Same Dimension

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



54.9253, 0.2673, 0.3111



74.7717, 0.2589, 0.3070



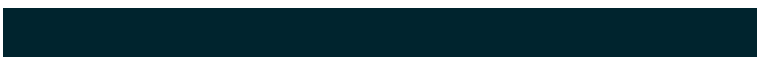
41.1533, 0.2624, 0.2679



14.3373, 0.2982, 0.3239



20.8389, 0.2055, 0.2598



1.4695, 0.2090, 0.2723



# Inverse Universe

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



41.7104, 0.3287, 0.2687



53.5567, 0.3328, 0.2566



57.6394, 0.3645, 0.3833



13.2252, 0.3170, 0.3108



10.7275, 0.3826, 0.1881

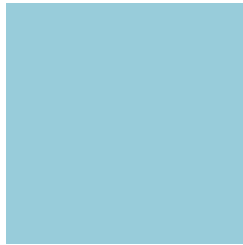


0.7070, 0.3706, 0.1815



# Previews

## White Background



This preview shows how the Yxy color 54.9231, 0.2673, 0.3111 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

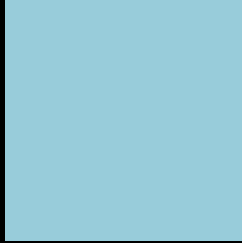
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9231, 0.2673, 0.3111 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

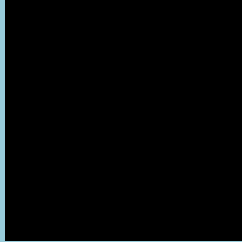
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

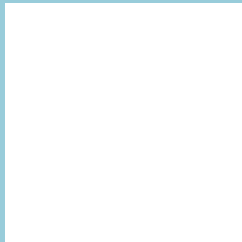
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.9231, 0.2673, 0.3111**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9231, 0.2673, 0.3111.

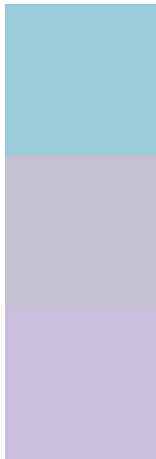


This preview shows how white text looks on a background with the Yxy color 54.9231, 0.2673, 0.3111.

# 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

54.9231, 0.2673, 0.3111

### Protanopia

54.8064, 0.2997, 0.3074

### Deuteranopia

54.6039, 0.2994, 0.2929



## Tritanopia

55.0284, 0.2662, 0.3086

# Trichromacy



**Original Color**

54.9231, 0.2673, 0.3111

**Protanomaly**

54.8269, 0.2873, 0.3093

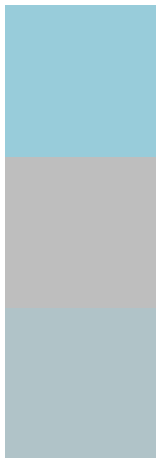
**Deuteranomaly**

54.3879, 0.2867, 0.2988

**Tritanomaly**

54.9756, 0.2667, 0.3098

# Monochromacy



**Original Color**

54.9231, 0.2673, 0.3111

**Achromatopsia**

51.4918, 0.3127, 0.3290

**Achromatomaly**

52.4305, 0.2944, 0.3226

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  54.9231, 0.2673, 0.3111 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(152, 204, 218)` looks like.

```
.text, #text, p{  
    color:rgb(152, 204, 218)  
}
```

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(152, 204, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 204, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9231, 0.2673, 0.3111 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(152, 204, 218) }
```

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

```
.border{ border-color:rgb(152, 204, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 204, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 204, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 204, 218);  
box-shadow:4px 4px 4px 4px rgb(152, 204,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9231, 0.2673, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 204, 218) }
```

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

```
.background{ background-color: rgb(152,  
204, 218) }
```

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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