

# Converting Colors

$Yxy(56.1153, 0.2924, 0.3271)$

Have a look what the booklet for  
Yxy(56.1153, 0.2924, 0.3271)  
contains.

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# Color

**Yxy(55.9478, 0.2926, 0.3265)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1CACC
RGB	177, 202, 204
RGB Percent	69%, 79%, 80%
CMY	0.3061, 0.2078, 0.2001
CMYK	0.13, 0.01, 0.00, 0.20
HSL	184°, 21%, 75%
HSV	184°, 13%, 80%
XYZ	50.1388, 55.9478, 65.2696
YIQ	194.7530, -15.5420, -4.6780

# Conversions

## Conversions Part 2

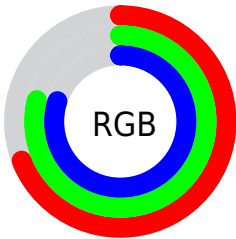
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	177, 190, 204
Decimal	11651788
CIE Lab	79.58, -8.00, -3.83
CIE LCh	80, 8.871, 205.609
Yxy	55.9478, 0.2926, 0.3265
Android (android.graphics.Color)	4289841868 (0xFFB1CACC)
YUV	194.7530, 4.5588, -15.5694
Hunter-Lab	74.7983, -11.2447, 0.6218

# Details

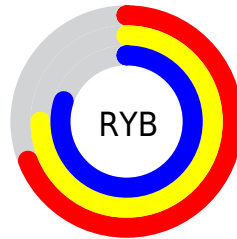
The Yxy color **55.9478, 0.2926, 0.3265** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2066, 0.3364, 0.3315**, and the grayscale version is **54.3928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **27.6669, 0.2872, 0.3256** is the 20% darker color. If you saturate the color by 10%, you get **53.0421, 0.2783, 0.3244**, and if you desaturate by 10%, it is **59.2228, 0.3077, 0.3284**.

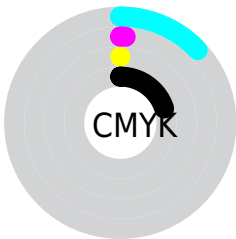
# Distribution



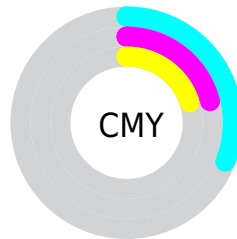
- Red (69%)
- Green (79%)
- Blue (80%)



- Red (69%)
- Yellow (75%)
- Blue (80%)



- Cyan (13%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (31%)
- Magenta (21%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9478, 0.2926, 0.3265 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 55.9478, 0.2926, 0.3265 by changing the saturation by 10% instead.



■ 55.9478, 0.2926,  
0.3265

■ 55.9478, 0.2926,  
0.3265

409.4947, 0.3023,  
0.3278

■ 40.1611, 0.2903,  
0.3262

■ 98.9283, 0.2961,  
0.3270

■ 27.6642, 0.2874,  
0.3257

126.8908, 0.2974,  
0.3272

■ 18.0726, 0.2835,  
0.3252

159.6807, 0.2985,  
0.3273

■ 11.0022, 0.2784,  
0.3243

197.6823, 0.2995,  
0.3274

■ 6.0683, 0.2711,  
0.3231

241.2802, 0.3003,  
0.3275

■ 2.8866, 0.2598,  
0.3210

290.8586, 0.3011,

■ 1.0728, 0.2402,

0.3276

0.3168

346.8020, 0.3017,  
0.3277

0.0000, 0.0000,  
0.0000

55.9478, 0.2926,  
0.3265

55.9478, 0.2926,  
0.3265

53.0421, 0.2783,  
0.3244

59.2228, 0.3077,  
0.3284

50.4828, 0.2650,  
0.3222

62.8749, 0.3232,  
0.3302

48.2552, 0.2530,  
0.3199

66.9206, 0.3390,  
0.3317

46.3409, 0.2427,  
0.3175

70.6967, 0.3519,  
0.3332

44.7194, 0.2341,  
0.3151

71.4201, 0.3516,  
0.3347

■ 43.3681, 0.2274,  
0.3126

■ 72.1503, 0.3513,  
0.3362

■ 42.2605, 0.2226,  
0.3101

■ 72.8872, 0.3510,  
0.3377

■ 41.3651, 0.2197,  
0.3077

■ 73.6309, 0.3507,  
0.3392

■ 40.8429, 0.2184,  
0.3061

■ 74.3813, 0.3505,  
0.3407

# Harmonies

## Analogous

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



55.9478, 0.3003, 0.3372



55.9478, 0.2926, 0.3265



55.9478, 0.2902, 0.3168

# Triad

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



55.9478, 0.2926, 0.3265



55.9478, 0.3138, 0.3132



55.9478, 0.3319, 0.3475

# Complementary

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



55.9478, 0.2926, 0.3265



48.2066, 0.3364, 0.3315

# 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.



55.9478, 0.3357, 0.3406



55.9478, 0.2926, 0.3265



55.9478, 0.3252, 0.3210

# Square

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



55.9478, 0.2926, 0.3265



55.9478, 0.3023, 0.3094



55.9478, 0.3333, 0.3310



55.9478, 0.3229, 0.3494



# Rectangle

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



55.9478, 0.2926, 0.3265



55.9478, 0.2920, 0.3122



55.9478, 0.3333, 0.3310



55.9478, 0.3338, 0.3457

# Sweetspot

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



55.9501, 0.2926, 0.3265



97.6461, 0.3065, 0.3283



55.7607, 0.3098, 0.3613



20.8080, 0.3053, 0.3281



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

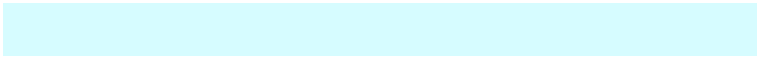


# Same Dimension

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



55.9501, 0.2926, 0.3265



91.1954, 0.2883, 0.3259



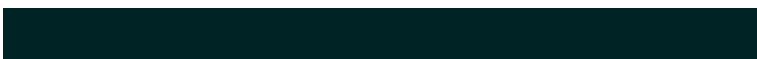
49.9472, 0.2921, 0.3095



12.5825, 0.2984, 0.3273



25.7713, 0.2185, 0.3064



1.3721, 0.2198, 0.3111



# Inverse Universe

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



48.5211, 0.3158, 0.2989



76.4856, 0.3166, 0.2920



53.8215, 0.3342, 0.3477



11.3892, 0.3149, 0.3078



10.4046, 0.3398, 0.1646



0.5411, 0.3357, 0.1623



# Previews

## White Background



This preview shows how the Yxy color 55.9478, 0.2926, 0.3265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

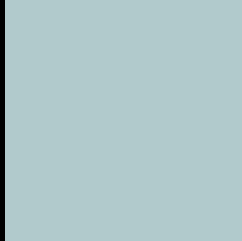
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.9478, 0.2926, 0.3265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

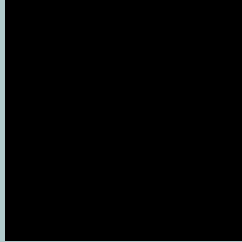
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

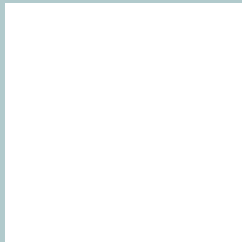
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.9478, 0.2926, 0.3265**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.9478, 0.2926, 0.3265.

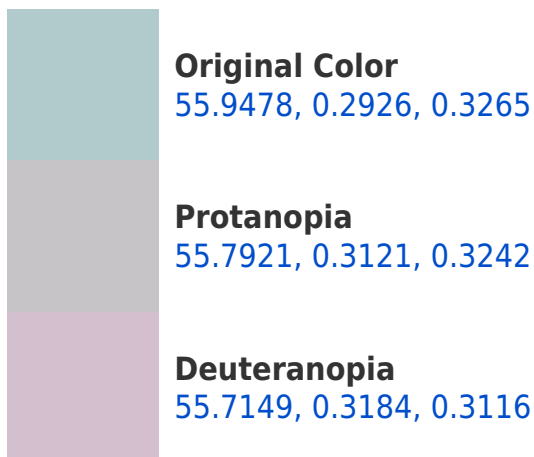


This preview shows how white text looks on a background with the Yxy color 55.9478, 0.2926, 0.3265.

# 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





## Tritanopia

55.8501, 0.2861, 0.3094

# Trichromacy



## Original Color

55.9478, 0.2926, 0.3265

## Protanomaly

55.6816, 0.3051, 0.3253

## Deuteranomaly

55.5801, 0.3085, 0.3171

## Tritanomaly

55.9917, 0.2880, 0.3154

# Monochromacy



## Original Color

55.9478, 0.2926, 0.3265

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

55.1568, 0.3049, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9478, 0.2926, 0.3265 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(177, 202, 204)` looks like.

```
.text, #text, p{  
    color:rgb(177, 202, 204)  
}
```

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(177, 202, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 202, 204) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9478, 0.2926, 0.3265 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(177, 202, 204) }
```

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

```
.border{ border-color:rgb(177, 202, 204) }
```

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

Here you see how a box with a 4 pixel rgb(177, 202, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 202, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 202, 204);  
box-shadow:4px 4px 4px 4px rgb(177, 202,  
204) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9478, 0.2926, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 202, 204) }
```

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

```
.background{ background-color: rgb(177,  
202, 204) }
```

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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