

# Converting Colors

$Yxy(55.6679, 0.3054, 0.3505)$

Have a look what the booklet for  
Yxy(55.6679, 0.3054, 0.3505)  
contains.

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# Color

**Yxy(55.7220, 0.3056, 0.3506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2CBBA
RGB	178, 203, 186
RGB Percent	70%, 80%, 73%
CMY	0.3021, 0.2039, 0.2706
CMYK	0.12, 0.00, 0.08, 0.20
HSL	139°, 19%, 75%
HSV	139°, 12%, 80%
XYZ	48.5700, 55.7220, 54.6413
YIQ	193.5870, -9.4430, -10.5870

# Conversions

## Conversions Part 2

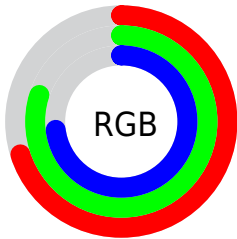
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 197, 203
Decimal	11717562
CIELab	79.46, -11.70, 5.64
CIELCh	79, 12.993, 154.253
Yxy	55.7220, 0.3056, 0.3506
Android (android.graphics.Color)	4289907642 (0xFFB2CBBA)
YUV	193.5870, -3.7404, -13.6698
Hunter-Lab	74.6472, -14.4896, 8.8531

# Details

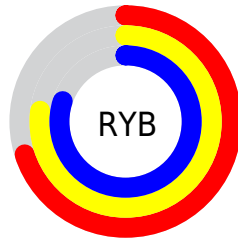
The Yxy color **55.7220, 0.3056, 0.3506** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.4620, 0.3206, 0.3083**, and the grayscale version is **53.7152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4232, 0.3072, 0.3420**, and **27.5483, 0.3034, 0.3566** is the 20% darker color. If you saturate the color by 10%, you get **52.9399, 0.2999, 0.3705**, and if you desaturate by 10%, it is **58.9208, 0.3114, 0.3329**.

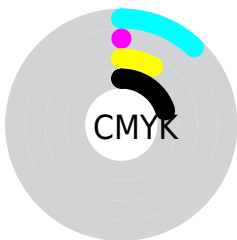
# Distribution



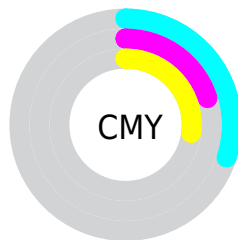
- Red (70%)
- Green (80%)
- Blue (73%)



- Red (70%)
- Yellow (77%)
- Blue (80%)



- Cyan (12%)
- Magenta (0%)
- Yellow (8%)
- Black (20%)



- Cyan (30%)
- Magenta (20%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7220, 0.3056, 0.3506 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 55.7220, 0.3056, 0.3506 by changing the saturation by 10% instead.





 55.7220, 0.3056,  
0.3506

 55.7220, 0.3056,  
0.3506

408.6430, 0.3091,  
0.3400

 39.9801, 0.3047,  
0.3532


 98.5980, 0.3069,  
0.3468

 27.5230, 0.3036,  
0.3565


126.5009, 0.3074,  
0.3453

 17.9664, 0.3021,  
0.3609


159.2262, 0.3078,  
0.3441

 10.9259, 0.3001,  
0.3670

197.1583, 0.3081,  
0.3430

 6.0170, 0.2970,  
0.3759

240.6816, 0.3084,  
0.3421

 2.8554, 0.2920,  
0.3902

290.1806, 0.3087,

 1.0567, 0.2824,

0.3413

0.4208

346.0396, 0.3089,  
0.3406

0.0000, 0.0000,  
0.0000

55.7220, 0.3056,  
0.3506

55.7220, 0.3056,  
0.3506

52.9399, 0.2999,  
0.3705

58.9208, 0.3114,  
0.3329

50.5504, 0.2946,  
0.3926

62.5455, 0.3171,  
0.3172

48.5373, 0.2899,  
0.4165

66.6135, 0.3227,  
0.3035

46.8808, 0.2861,  
0.4419

70.3412, 0.3249,  
0.2911

45.5592, 0.2835,  
0.4682

71.1981, 0.3151,  
0.2782

■ 44.5483, 0.2824,  
0.4942

■ 71.1999, 0.3151,  
0.2782

■ 43.8204, 0.2830,  
0.5188

■ 43.3425, 0.2853,  
0.5409

■ 43.1021, 0.2877,  
0.5557

# Harmonies

## Analogous

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



55.7220, 0.3228, 0.3584



55.7220, 0.3056, 0.3506



55.7220, 0.2906, 0.3365

# Triad

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



55.7220, 0.3056, 0.3506



55.7220, 0.2880, 0.3008



55.7220, 0.3449, 0.3359

# Complementary

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



55.7220, 0.3056, 0.3506



48.4620, 0.3206, 0.3083

# 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.



55.7220, 0.3351, 0.3212



55.7220, 0.3056, 0.3506



55.7220, 0.3020, 0.3014

# Square

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



55.7220, 0.3056, 0.3506



55.7220, 0.2806, 0.3077



55.7220, 0.3192, 0.3088



55.7220, 0.3459, 0.3493



# Rectangle

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



55.7220, 0.3056, 0.3506



55.7220, 0.2837, 0.3258



55.7220, 0.3192, 0.3088



55.7220, 0.3426, 0.3310

# Sweetspot

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



55.7244, 0.3056, 0.3506



97.6781, 0.3104, 0.3357



57.5455, 0.3246, 0.3598



20.8165, 0.3099, 0.3370



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

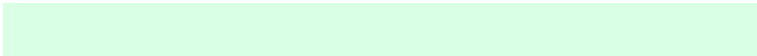


# Same Dimension

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



55.7244, 0.3056, 0.3506



91.8909, 0.3040, 0.3561



56.2765, 0.2971, 0.3347



12.5952, 0.3073, 0.3452



27.4397, 0.2870, 0.5532



1.4294, 0.2757, 0.5124



# Inverse Universe

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



48.4620, 0.3206, 0.3083



77.2126, 0.3227, 0.3034



47.9227, 0.3310, 0.3234



11.3402, 0.3186, 0.3134



9.2642, 0.4214, 0.2095



0.4914, 0.3971, 0.1961



# Previews

## White Background



This preview shows how the Yxy color 55.7220, 0.3056, 0.3506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

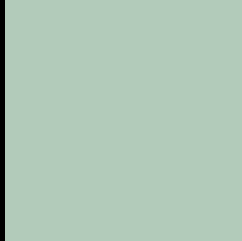
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.7220, 0.3056, 0.3506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

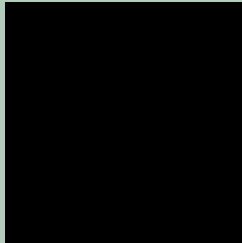
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

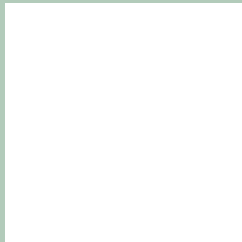
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.7220, 0.3056, 0.3506**

## Background



This preview shows how black text looks on a background with the Yxy color 55.7220, 0.3056, 0.3506.



This preview shows how white text looks on a background with the Yxy color 55.7220, 0.3056, 0.3506.

# 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

55.7220, 0.3056, 0.3506

### Protanopia

55.5538, 0.3289, 0.3460

### Deuteranopia

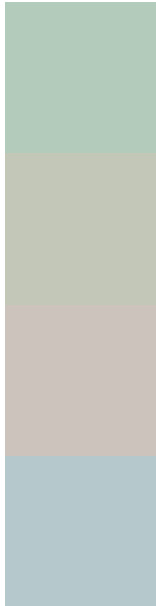
55.4065, 0.3368, 0.3302



## Tritanopia

55.8204, 0.2895, 0.3095

# Trichromacy



## Original Color

55.7220, 0.3056, 0.3506

## Protanomaly

55.7351, 0.3205, 0.3488

## Deuteranomaly

55.3576, 0.3244, 0.3375

## Tritanomaly

55.4919, 0.2955, 0.3240

# Monochromacy



## Original Color

55.7220, 0.3056, 0.3506

## Achromatopsia

53.9479, 0.3127, 0.3290

## Achromatomaly

54.3855, 0.3100, 0.3365

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.7220, 0.3056, 0.3506 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(178, 203, 186)` looks like.

```
.text, #text, p{  
    color:rgb(178, 203, 186)  
}
```

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(178, 203, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 203, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 55.7220, 0.3056, 0.3506 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(178, 203, 186) }
```

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

```
.border{ border-color:rgb(178, 203, 186) }
```

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

Here you see how a box with a 4 pixel rgb(178, 203, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 203, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 203, 186);  
box-shadow:4px 4px 4px 4px rgb(178, 203,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.7220, 0.3056, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 203, 186) }
```

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

```
.background{ background-color: rgb(178,  
203, 186) }
```

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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