

# Converting Colors

$Y_{xy}(55.2473, 0.3058, 0.3590)$

Have a look what the booklet for  
Yxy(55.2473, 0.3058, 0.3590)  
contains.

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# Color

**Yxy(55.3653, 0.3060, 0.3599)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADCCB4
RGB	173, 204, 180
RGB Percent	68%, 80%, 71%
CMY	0.3214, 0.2000, 0.2940
CMYK	0.15, 0.00, 0.12, 0.20
HSL	134°, 23%, 74%
HSV	134°, 15%, 80%
XYZ	47.0736, 55.3653, 51.3964
YIQ	191.9950, -10.7720, -14.0360

# Conversions

## Conversions Part 2

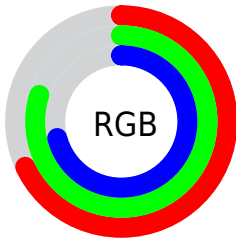
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	173, 198, 204
Decimal	11390132
CIE Lab	79.25, -14.97, 8.50
CIE LCh	79, 17.218, 150.407
Yxy	55.3653, 0.3060, 0.3599
Android (android.graphics.Color)	4289580212 (0xFFADCCB4)
YUV	191.9950, -5.9135, -16.6586
Hunter-Lab	74.4079, -17.2871, 11.1316

# Details

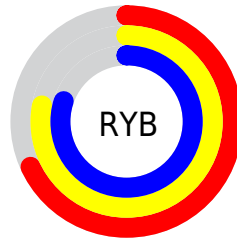
The Yxy color **55.3653, 0.3060, 0.3599** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.7728, 0.3202, 0.3000**, and the grayscale version is **52.7554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2341, 0.3075, 0.3482**, and **27.3381, 0.3039, 0.3695** is the 20% darker color. If you saturate the color by 10%, you get **52.6083, 0.3016, 0.3835**, and if you desaturate by 10%, it is **58.5555, 0.3104, 0.3389**.

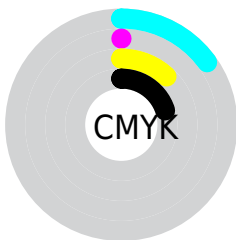
# Distribution



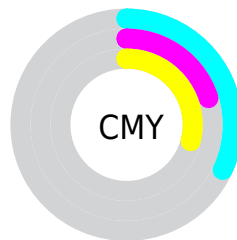
- Red (68%)
- Green (80%)
- Blue (71%)



- Red (68%)
- Yellow (78%)
- Blue (80%)



- Cyan (15%)
- Magenta (0%)
- Yellow (12%)
- Black (20%)




- Cyan (32%)
- Magenta (20%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3653, 0.3060, 0.3599 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 55.3653, 0.3060, 0.3599 by changing the saturation by 10% instead.





 55.3653, 0.3060,  
0.3599

 55.3653, 0.3060,  
0.3599

407.2952, 0.3094,  
0.3446

 39.6943, 0.3051,  
0.3637

 98.0760, 0.3073,  
0.3544

 27.3003, 0.3040,  
0.3686


125.8844, 0.3077,  
0.3523

 17.7988, 0.3025,  
0.3750


158.5074, 0.3081,  
0.3505

 10.8057, 0.3003,  
0.3839

196.3294, 0.3085,  
0.3490

 5.9363, 0.2970,  
0.3971

239.7348, 0.3087,  
0.3477

 2.8064, 0.2914,  
0.4186

289.1080, 0.3090,


 1.0315, 0.2814,


0.3465

0.4775


344.8333, 0.3092,  
0.3455

 0.0000, 0.0000,  
0.0000


 55.3653, 0.3060,  
0.3599


 55.3653, 0.3060,  
0.3599


 52.6083, 0.3016,  
0.3835


 58.5555, 0.3104,  
0.3389


 50.2590, 0.2975,  
0.4094


 62.1892, 0.3148,  
0.3204


 48.2998, 0.2940,  
0.4374

 66.2851, 0.3190,  
0.3042

 46.7092, 0.2912,  
0.4666

 70.8589, 0.3231,  
0.2901

 45.4635, 0.2895,  
0.4958

 71.6620, 0.3151,  
0.2791

■ 44.5362, 0.2890,  
0.5236

■ 43.8967, 0.2900,  
0.5483

■ 43.5084, 0.2923,  
0.5684

■ 43.3792, 0.2935,  
0.5764

# Harmonies

## Analogous

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



55.3653, 0.3288, 0.3689



55.3653, 0.3060, 0.3599



55.3653, 0.2856, 0.3416

# Triad

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



55.3653, 0.3060, 0.3599



55.3653, 0.2782, 0.2924



55.3653, 0.3546, 0.3354

# Complementary

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



55.3653, 0.3060, 0.3599



46.7728, 0.3202, 0.3000

# 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.



55.3653, 0.3401, 0.3163



55.3653, 0.3060, 0.3599



55.3653, 0.2956, 0.2921

# Square

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



55.3653, 0.3060, 0.3599



55.3653, 0.2699, 0.3024



55.3653, 0.3183, 0.3007



55.3653, 0.3574, 0.3536



# Rectangle

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



55.3653, 0.3060, 0.3599



55.3653, 0.2758, 0.3273



55.3653, 0.3183, 0.3007



55.3653, 0.3509, 0.3289

# Sweetspot

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



55.3676, 0.3060, 0.3599



97.0417, 0.3105, 0.3387



58.1101, 0.3299, 0.3669



20.6852, 0.3102, 0.3401



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

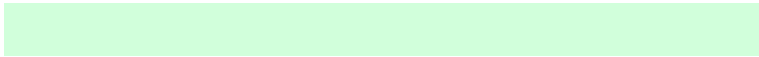


# Same Dimension

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



55.3676, 0.3060, 0.3599



90.2280, 0.3046, 0.3669



56.0217, 0.2957, 0.3401



12.5777, 0.3086, 0.3475



27.3175, 0.2929, 0.5743



1.4212, 0.2822, 0.5359



# Inverse Universe

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



46.7728, 0.3202, 0.3000



73.4814, 0.3219, 0.2939



46.1106, 0.3332, 0.3182



11.3588, 0.3172, 0.3112



9.6487, 0.3870, 0.1906



0.5087, 0.3716, 0.1821



# Previews

## White Background



This preview shows how the Yxy color 55.3653, 0.3060, 0.3599 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

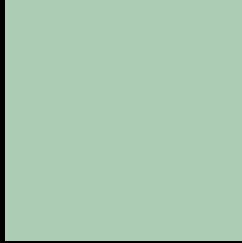
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.3653, 0.3060, 0.3599 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

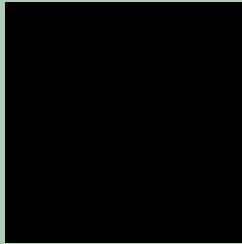
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

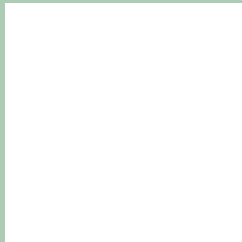
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.3653, 0.3060, 0.3599**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.3653, 0.3060, 0.3599.



This preview shows how white text looks on a background with the Yxy color 55.3653, 0.3060, 0.3599.

# 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

55.3653, 0.3060, 0.3599

### Protanopia

54.9627, 0.3353, 0.3534

### Deuteranopia

55.0297, 0.3436, 0.3361



## Tritanopia

55.3369, 0.2867, 0.3093

# Trichromacy



**Original Color**

55.3653, 0.3060, 0.3599

**Protanomaly**

54.8999, 0.3243, 0.3552

**Deuteranomaly**

54.6575, 0.3292, 0.3436

**Tritanomaly**

55.3847, 0.2939, 0.3277

# Monochromacy



**Original Color**

55.3653, 0.3060, 0.3599

**Achromatopsia**

52.7115, 0.3127, 0.3290

**Achromatomaly**

53.4250, 0.3099, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3653, 0.3060, 0.3599 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(173, 204, 180)` looks like.

```
.text, #text, p{  
    color:rgb(173, 204, 180)  
}
```

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(173, 204, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 204, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3653, 0.3060, 0.3599 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(173, 204, 180) }
```

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

```
.border{ border-color:rgb(173, 204, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 204, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 204, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 204, 180); box-shadow:4px 4px 4px 4px rgb(173, 204, 180) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3653, 0.3060, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 204, 180) }
```

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

```
.background{ background-color: rgb(173,  
204, 180) }
```

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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