

# Converting Colors

$Yxy(55.2219, 0.2761, 0.3127)$

Have a look what the booklet for  
Yxy(55.2219, 0.2761, 0.3127)  
contains.

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# Color

**Yxy(55.0399, 0.2766, 0.3126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4CAD7
RGB	164, 202, 215
RGB Percent	64%, 79%, 84%
CMY	0.3567, 0.2079, 0.1570
CMYK	0.24, 0.06, 0.00, 0.16
HSL	195°, 39%, 74%
HSV	195°, 24%, 84%
XYZ	48.7013, 55.0399, 72.3301
YIQ	192.1200, -26.8210, -4.0130

# Conversions

## Conversions Part 2

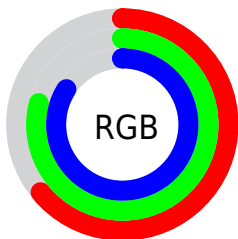
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 186, 215
Decimal	10799831
CIELab	79.06, -9.66, -10.60
CIElCh	79, 14.343, 227.676
Yxy	55.0399, 0.2766, 0.3126
Android (android.graphics.Color)	4288989911 (0xFFA4CAD7)
YUV	192.1200, 11.2798, -24.6612
Hunter-Lab	74.1889, -12.6541, -5.8723

# Details

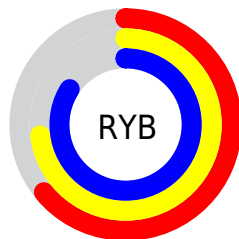
The Yxy color **55.0399, 0.2766, 0.3126** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.5836, 0.3581, 0.3448**, and the grayscale version is **52.7365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **27.0974, 0.2674, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **50.4179, 0.2620, 0.3046**, and if you desaturate by 10%, it is **60.1444, 0.2917, 0.3200**.

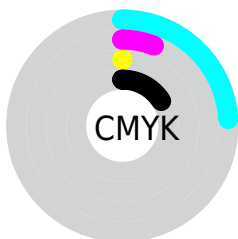
# Distribution



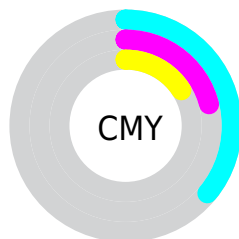
- Red (64%)
- Green (79%)
- Blue (84%)



- Red (64%)
- Yellow (73%)
- Blue (84%)



- Cyan (24%)
- Magenta (6%)
- Yellow (0%)
- Black (16%)




- Cyan (36%)
- Magenta (21%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0399, 0.2766, 0.3126 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 55.0399, 0.2766, 0.3126 by changing the saturation by 10% instead.





 55.0399, 0.2766,  
0.3126


 55.0399, 0.2766,  
0.3126


406.0632, 0.2940,  
0.3208

 39.4337, 0.2725,  
0.3106


 97.5994, 0.2827,  
0.3156

 27.0973, 0.2673,  
0.3080


 125.3215, 0.2851,  
0.3167

 17.6463, 0.2606,  
0.3046


157.8510, 0.2871,  
0.3176

 10.6963, 0.2516,  
0.2998

195.5722, 0.2889,  
0.3184

 5.8630, 0.2389,  
0.2929

238.8697, 0.2904,  
0.3191

 2.7620, 0.2198,  
0.2819

288.1277, 0.2917,

 1.0088, 0.1866,

0.3198

0.2621

343.7308, 0.2929,  
0.3203

0.0000, 0.0000,  
0.0000

55.0399, 0.2766,  
0.3126

55.0399, 0.2766,  
0.3126

50.4179, 0.2620,  
0.3046

60.1444, 0.2917,  
0.3200

46.2512, 0.2484,  
0.2961

65.7436, 0.3071,  
0.3267

42.5201, 0.2359,  
0.2871

71.8575, 0.3224,  
0.3328

39.2003, 0.2250,  
0.2778

78.5031, 0.3375,  
0.3382

36.2647, 0.2158,  
0.2683

82.4229, 0.3402,  
0.3435

■ 33.6823, 0.2087,  
0.2587

■ 85.5106, 0.3394,  
0.3489

■ 31.4155, 0.2035,  
0.2492

■ 88.6950, 0.3385,  
0.3542

■ 30.1077, 0.2009,  
0.2433

■ 91.9768, 0.3377,  
0.3595

■ 95.3570, 0.3369,  
0.3647

# Harmonies

## Analogous

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



55.0399, 0.2827, 0.3293



55.0399, 0.2766, 0.3126



55.0399, 0.2798, 0.3010

# Triad

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



55.0399, 0.2766, 0.3126



55.0399, 0.3283, 0.3123



55.0399, 0.3336, 0.3624

# Complementary

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



55.0399, 0.2766, 0.3126



48.5836, 0.3581, 0.3448

# 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.



55.0399, 0.3465, 0.3565



55.0399, 0.2766, 0.3126



55.0399, 0.3435, 0.3275

# Square

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



55.0399, 0.2766, 0.3126



55.0399, 0.3092, 0.3013



55.0399, 0.3502, 0.3436



55.0399, 0.3153, 0.3589



# Rectangle

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



55.0399, 0.2766, 0.3126



55.0399, 0.2868, 0.2975



55.0399, 0.3502, 0.3436



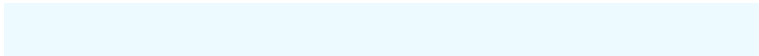
55.0399, 0.3388, 0.3615

# Sweetspot

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



55.0421, 0.2766, 0.3126



93.9014, 0.3019, 0.3245



59.6528, 0.3014, 0.3783



19.9900, 0.3009, 0.3241



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

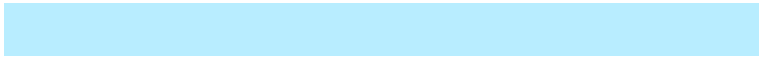


# Same Dimension

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



55.0421, 0.2766, 0.3126



77.8131, 0.2698, 0.3090



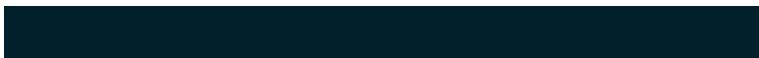
44.1623, 0.2739, 0.2796



13.5469, 0.2982, 0.3229



18.1903, 0.2013, 0.2447



1.2262, 0.2058, 0.2610



# Inverse Universe

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



45.2775, 0.3266, 0.2846



61.4777, 0.3299, 0.2757



59.4822, 0.3514, 0.3739



12.5761, 0.3176, 0.3118



10.1812, 0.3975, 0.1963

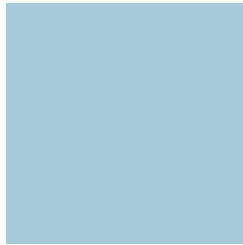


0.6271, 0.3814, 0.1875



# Previews

## White Background



This preview shows how the Yxy color 55.0399, 0.2766, 0.3126 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

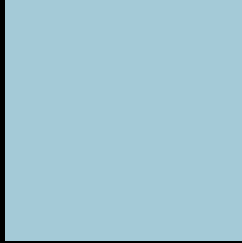
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.0399, 0.2766, 0.3126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

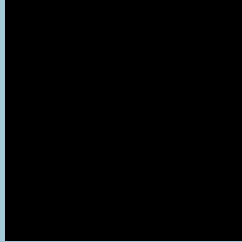
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

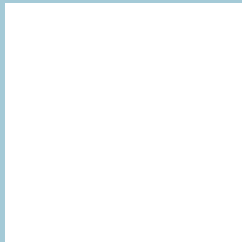
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.0399, 0.2766, 0.3126**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.0399, 0.2766, 0.3126.



This preview shows how white text looks on a background with the Yxy color 55.0399, 0.2766, 0.3126.

# 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

55.0399, 0.2766, 0.3126

### Protanopia

54.7061, 0.3011, 0.3098

### Deuteranopia

54.6740, 0.3039, 0.2975



## Tritanopia

55.3023, 0.2754, 0.3090

# Trichromacy



## Original Color

55.0399, 0.2766, 0.3126

## Protanomaly

54.7533, 0.2915, 0.3106

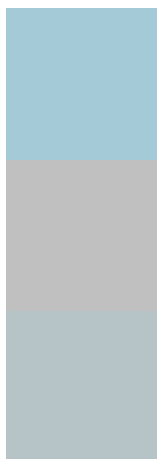
## Deuteranomaly

54.3603, 0.2931, 0.3025

## Tritanomaly

55.2501, 0.2760, 0.3102

# Monochromacy



## Original Color

55.0399, 0.2766, 0.3126

## Achromatopsia

52.7115, 0.3127, 0.3290

## Achromatomaly

53.5951, 0.2990, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  55.0399, 0.2766, 0.3126 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(164, 202, 215)` looks like.

```
.text, #text, p{  
    color:rgb(164, 202, 215)  
}
```

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(164, 202, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 202, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 55.0399, 0.2766, 0.3126 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(164, 202, 215) }
```

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

```
.border{ border-color:rgb(164, 202, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 202, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 202, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 202, 215);  
box-shadow:4px 4px 4px 4px rgb(164, 202,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.0399, 0.2766, 0.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 202, 215) }
```

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

```
.background{ background-color: rgb(164,  
202, 215) }
```

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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