

# Converting Colors

$Yxy(55.4568, 0.2483, 0.3236)$

Have a look what the booklet for  
Yxy(55.4568, 0.2483, 0.3236)  
contains.

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# Color

**Yxy(55.4896, 0.2485, 0.3235)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 70D4D8                       |
| RGB         | 112, 212, 216                |
| RGB Percent | 44%, 83%, 85%                |
| CMY         | 0.5605, 0.1686, 0.1530       |
| CMYK        | 0.48, 0.02, 0.00, 0.15       |
| HSL         | 182°, 57%, 64%               |
| HSV         | 182°, 48%, 85%               |
| XYZ         | 42.6249, 55.4896, 73.4144    |
| YIQ         | 182.5560, -60.8840, -19.9560 |

# Conversions

## Conversions Part 2

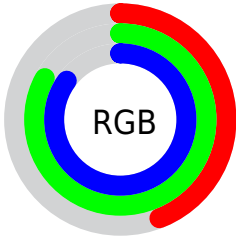
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 112, 163, 216                  |
| Decimal                             | 7394520                        |
| CIELab                              | 79.32, -28.16, -11.03          |
| CIELCh                              | 79, 30.237, 201.388            |
| Yxy                                 | 55.4896, 0.2485,<br>0.3235     |
| Android<br>(android.graphics.Color) | 4285584600<br>(0xFF70D4D8)     |
| YUV                                 | 182.5560, 16.4879,<br>-61.8776 |
| Hunter-Lab                          | 74.4913, -28.2198,<br>-6.2889  |

# Details

The Yxy color **55.4896, 0.2485, 0.3235** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **28.2723, 0.4432, 0.3342**, and the grayscale version is **47.0418, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2860, 0.2652, 0.3289**, and **27.3653, 0.2327, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **53.8268, 0.2394, 0.3222**, and if you desaturate by 10%, it is **57.4986, 0.2594, 0.3248**.

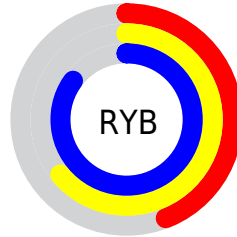
# Distribution



Red (44%)

Green (83%)

Blue (85%)



Red (44%)

Yellow (64%)

Blue (85%)

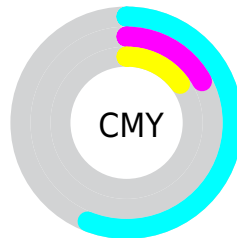


Cyan (48%)

Magenta (2%)

Yellow (0%)

Black (15%)



Cyan (56%)

Magenta (17%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4896, 0.2485, 0.3235 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 55.4896, 0.2485, 0.3235 by changing the saturation by 10% instead.




 55.4896, 0.2485,  
0.3235


 55.4896, 0.2485,  
0.3235

407.7652, 0.2790,  
0.3269

 39.7938, 0.2414,  
0.3225

 98.2579, 0.2592,  
0.3249

 27.3778, 0.2325,  
0.3211


 126.0993, 0.2634,  
0.3253

 17.8572, 0.2211,  
0.3191


 158.7580, 0.2669,  
0.3257

 10.8475, 0.2061,  
0.3161

196.6184, 0.2700,  
0.3261

 5.9644, 0.1854,  
0.3112

240.0649, 0.2726,  
0.3263

 2.8234, 0.1556,  
0.3023

289.4820, 0.2750,

 1.0403, 0.0825,

0.3265

0.2922

345.2539, 0.2771,  
0.3267

0.0000, 0.0000,  
0.0000

55.4896, 0.2485,  
0.3235

55.4896, 0.2485,  
0.3235

53.8268, 0.2394,  
0.3222

57.4986, 0.2594,  
0.3248

52.4792, 0.2322,  
0.3209

59.8697, 0.2718,  
0.3260

51.4208, 0.2269,  
0.3196


62.6253, 0.2855,  
0.3271


50.6186, 0.2235,  
0.3184


65.7843, 0.3003,  
0.3282


50.0251, 0.2216,  
0.3171


69.3643, 0.3157,  
0.3292

 49.9224, 0.2214,  
0.3169

 73.3819, 0.3315,  
0.3301

 76.2514, 0.3413,  
0.3309

 76.6813, 0.3412,  
0.3318

 77.1134, 0.3411,  
0.3326

# Harmonies

## Analogous

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



55.4896, 0.2746, 0.3624



55.4896, 0.2485, 0.3235



55.4896, 0.2389, 0.2895

# Triad

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



55.4896, 0.2485, 0.3235



55.4896, 0.3094, 0.2753



55.4896, 0.3809, 0.3878

# Complementary

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



55.4896, 0.2485, 0.3235



28.2723, 0.4432, 0.3342

# 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.



55.4896, 0.3925, 0.3609



55.4896, 0.2485, 0.3235



55.4896, 0.3498, 0.2981

# Square

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



55.4896, 0.2485, 0.3235



55.4896, 0.2723, 0.2646



55.4896, 0.3810, 0.3286



55.4896, 0.3510, 0.4007



# Rectangle

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



55.4896, 0.2485, 0.3235



55.4896, 0.2426, 0.2741



55.4896, 0.3810, 0.3286



55.4896, 0.3872, 0.3800

# Sweetspot

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



55.4917, 0.2485, 0.3235



92.9766, 0.2913, 0.3276



53.8011, 0.3038, 0.4756



19.6923, 0.2881, 0.3273



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.



55.4917, 0.2485, 0.3235



78.3080, 0.2390, 0.3222



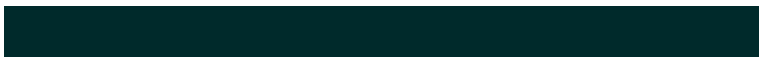
33.7449, 0.2347, 0.2494



14.0224, 0.2983, 0.3281



29.5934, 0.2214, 0.3171



1.8109, 0.2220, 0.3192



# Inverse Universe

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



30.9548, 0.3221, 0.2168



38.6565, 0.3243, 0.1969



43.5854, 0.4100, 0.3958



12.6241, 0.3144, 0.3069



11.3323, 0.3307, 0.1595

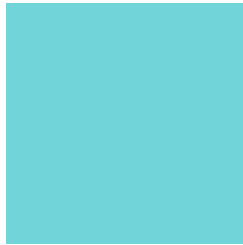


0.6861, 0.3289, 0.1585



# Previews

## White Background



This preview shows how the Yxy color 55.4896, 0.2485, 0.3235 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

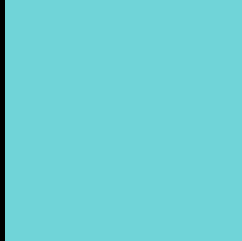
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.4896, 0.2485, 0.3235 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

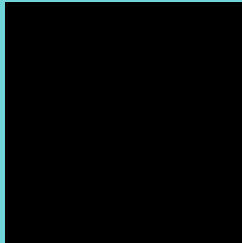
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

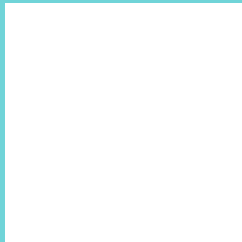
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.4896, 0.2485, 0.3235**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.4896, 0.2485, 0.3235.

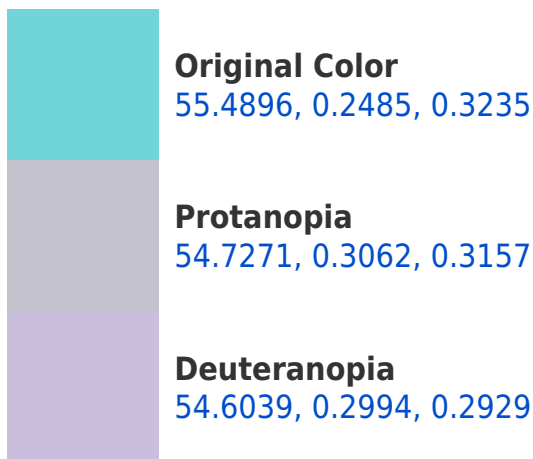


This preview shows how white text looks on a background with the Yxy color 55.4896, 0.2485, 0.3235.

# 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

55.3522, 0.2444, 0.3067

# Trichromacy



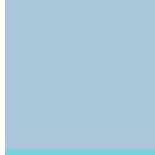
## Original Color

55.4896, 0.2485, 0.3235



## Protanomaly

54.3761, 0.2809, 0.3188



## Deuteranomaly

53.9377, 0.2770, 0.3028



## Tritanomaly

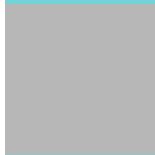
55.5611, 0.2461, 0.3131

# Monochromacy



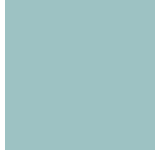
## Original Color

55.4896, 0.2485, 0.3235



## Achromatopsia

47.3531, 0.3127, 0.3290



## Achromatomaly

49.6918, 0.2838, 0.3276

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  55.4896, 0.2485, 0.3235 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(112, 212, 216)` looks like.

```
.text, #text, p{  
    color:rgb(112, 212, 216)  
}
```

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(112, 212, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 212, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 55.4896, 0.2485, 0.3235 is called "border". The border property can be set on classes, ids or directly on the HTML element.

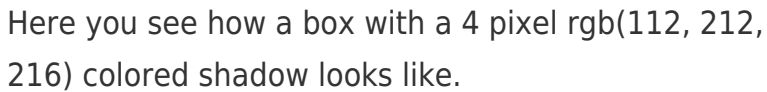
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 212, 216) }
```

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

```
.border{ border-color:rgb(112, 212, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(112, 212, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 212, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 212, 216); box-shadow:4px 4px 4px 4px rgb(112, 212, 216) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.4896, 0.2485, 0.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 212, 216) }
```

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

```
.background{ background-color: rgb(112,  
212, 216) }
```

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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