

Converting Colors

$Y_{xy}(55.1962, 0.2316, 0.3158)$

Have a look what the booklet for
Yxy(55.1962, 0.2316, 0.3158)
contains.

Yxy(55.4385, 0.2317, 0.3166)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.4385, 0.2317, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	4AD7E0
RGB	74, 215, 224
RGB Percent	29%, 84%, 88%
CMY	0.7104, 0.1568, 0.1215
CMYK	0.67, 0.04, 0.00, 0.12
HSL	184°, 71%, 58%
HSV	184°, 67%, 88%
XYZ	40.5720, 55.4385, 79.0953
YIQ	173.8670, -86.9250, -27.0930

Conversions

Conversions Part 2

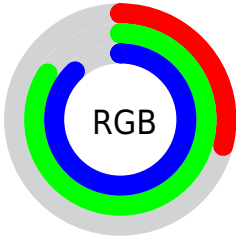
Format	Color
RYB	74, 147, 224
Decimal	4904928
CIELab	79.29, -34.27, -15.49
CIELCh	79, 37.612, 204.319
Yxy	55.4385, 0.2317, 0.3166
Android (android.graphics.Color)	4283095008 (0xFF4AD7E0)
YUV	173.8670, 24.7156, -87.5834
Hunter-Lab	74.4570, -33.0343, -10.8635

Details

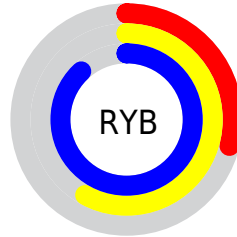
The Yxy color **55.4385, 0.2317, 0.3166** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **22.5077, 0.5271, 0.3384**, and the grayscale version is **42.1413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **28.0062, 0.2201, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **54.0247, 0.2260, 0.3146**, and if you desaturate by 10%, it is **57.1783, 0.2394, 0.3186**.

Distribution



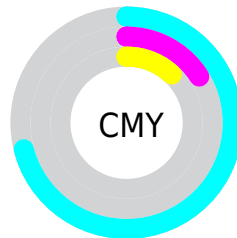
- Red (29%)
- Green (84%)
- Blue (88%)



- Red (29%)
- Yellow (58%)
- Blue (88%)



- Cyan (67%)
- Magenta (4%)
- Yellow (0%)
- Black (12%)





- Cyan (71%)
- Magenta (16%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.4385, 0.2317, 0.3166 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 55.4385, 0.2317, 0.3166 by changing the saturation by 10% instead.


 55.4385, 0.2317,
0.3166


 55.4385, 0.2317,
0.3166


407.5720, 0.2698,
0.3238

 39.7529, 0.2229,
0.3146


 98.1831, 0.2450,
0.3194

 27.3459, 0.2120,
0.3118


 126.0110, 0.2502,
0.3204

 17.8332, 0.1983,
0.3080


 158.6550, 0.2546,
0.3212

 10.8303, 0.1804,
0.3024

 196.4996, 0.2584,
0.3219

 5.9528, 0.1564,
0.2936

239.9292, 0.2618,
0.3225

 2.8164, 0.1230,
0.2784

289.3282, 0.2648,

 1.0367, 0.0354,

0.3230

0.2600

345.0810, 0.2674,
0.3234

0.0000, 0.0000,
0.0000

55.4385, 0.2317,
0.3166

55.4385, 0.2317,
0.3166

54.0247, 0.2260,
0.3146

57.1783, 0.2394,
0.3186

52.8952, 0.2221,
0.3125

59.2680, 0.2489,
0.3207

52.0059, 0.2199,
0.3105

61.7365, 0.2602,
0.3226

51.7652, 0.2194,
0.3100

64.6079, 0.2730,
0.3245

67.9042, 0.2870,
0.3263

71.6459, 0.3019,
0.3279

75.8522, 0.3174,
0.3294

80.5409, 0.3332,
0.3308

81.6377, 0.3344,
0.3321

Harmonies

Analogous

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



55.4385, 0.2614, 0.3663



55.4385, 0.2317, 0.3166



55.4385, 0.2226, 0.2761

Triad

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



55.4385, 0.2317, 0.3166



55.4385, 0.3131, 0.2656



55.4385, 0.3941, 0.4036

Complementary

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



55.4385, 0.2317, 0.3166



22.5077, 0.5271, 0.3384

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.



55.4385, 0.4117, 0.3706



55.4385, 0.2317, 0.3166



55.4385, 0.3632, 0.2942

Square

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



55.4385, 0.2317, 0.3166



55.4385, 0.2666, 0.2510



55.4385, 0.4006, 0.3314



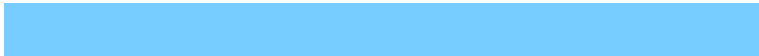
55.4385, 0.3549, 0.4190

Rectangle

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



55.4385, 0.2317, 0.3166



55.4385, 0.2284, 0.2590



55.4385, 0.4006, 0.3314



55.4385, 0.4029, 0.3939

Sweetspot

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



55.4406, 0.2317, 0.3166



89.6416, 0.2825, 0.3257



55.3707, 0.3000, 0.5363



18.9175, 0.2785, 0.3252



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.



55.4406, 0.2317, 0.3166



71.8854, 0.2244, 0.3138



26.0092, 0.2051, 0.2063



15.4241, 0.2982, 0.3275



30.1870, 0.2195, 0.3103



2.1357, 0.2204, 0.3133

Inverse Universe

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



25.6354, 0.3295, 0.1858



30.0846, 0.3328, 0.1710



40.2691, 0.4571, 0.4189



13.9207, 0.3147, 0.3073



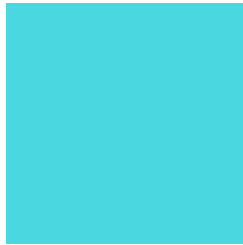
11.9554, 0.3365, 0.1627



0.8331, 0.3339, 0.1613

Previews

White Background



This preview shows how the Yxy color 55.4385, 0.2317, 0.3166 looks on a white background.

Color Contrast Check

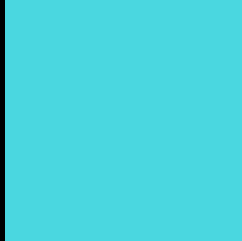
Large Text (above 18pt) WCAG AA × Fail

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 55.4385, 0.2317, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

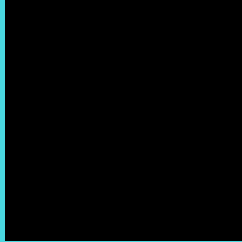
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.4385, 0.2317, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 55.4385, 0.2317, 0.3166.

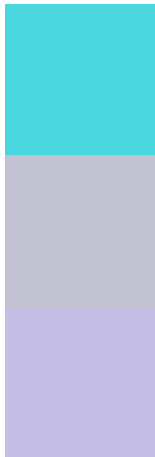


This preview shows how white text looks on a background with the Yxy color 55.4385, 0.2317, 0.3166.

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

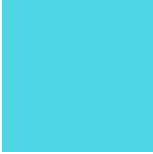
55.4385, 0.2317, 0.3166

Protanopia

54.7061, 0.3011, 0.3098

Deuteranopia

54.3544, 0.2901, 0.2836



Tritanopia

55.4824, 0.2296, 0.3062

Trichromacy



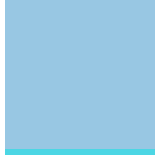
Original Color

55.4385, 0.2317, 0.3166



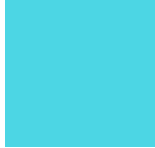
Protanomaly

53.6314, 0.2675, 0.3121



Deuteranomaly

53.0683, 0.2614, 0.2936



Tritanomaly

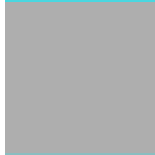
55.2311, 0.2303, 0.3100

Monochromacy



Original Color

55.4385, 0.2317, 0.3166



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.6042, 0.2719, 0.3247

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4385, 0.2317, 0.3166 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(74, 215, 224)` looks like.

```
.text, #text, p{  
    color:rgb(74, 215, 224)  
}
```

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(74, 215, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 215, 224) }
```

Border

The CSS property to change the border of an element to Yxy 55.4385, 0.2317, 0.3166 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(74, 215, 224) }
```

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

```
.border{ border-color:rgb(74, 215, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 215, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 215, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 215, 224);  
box-shadow:4px 4px 4px 4px rgb(74, 215,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4385, 0.2317, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 215, 224) }
```

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

```
.background{ background-color: rgb(74, 215,  
224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor