

# Converting Colors

$Yxy(56.1513, 0.2343, 0.3285)$

Have a look what the booklet for  
Yxy(56.1513, 0.2343, 0.3285)  
contains.

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# Color

**$\text{Yxy}(55.9898, 0.2339, 0.3274)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	46D9DA
RGB	70, 217, 218
RGB Percent	27%, 85%, 85%
CMY	0.7249, 0.1490, 0.1451
CMYK	0.68, 0.00, 0.00, 0.15
HSL	180°, 67%, 56%
HSV	180°, 68%, 85%
XYZ	40.0000, 55.9898, 75.0236
YIQ	173.1610, -87.9330, -30.8530

# Conversions

## Conversions Part 2

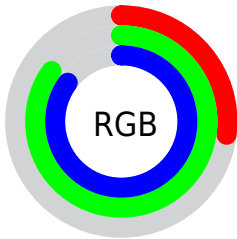
Format	Color
<a href="#">RYB</a>	<a href="#">70, 144, 218</a>
Decimal	<a href="#">4643290</a>
<a href="#">CIELab</a>	<a href="#">79.61, -37.41, -11.81</a>
<a href="#">CIElCh</a>	<a href="#">80, 39.228, 197.516</a>
<a href="#">Yxy</a>	<a href="#">55.9898, 0.2339, 0.3274</a>
Android (android.graphics.Color)	<a href="#">4282833370</a> ( <a href="#">0xFF46D9DA</a> )
<a href="#">YUV</a>	<a href="#">173.1610, 22.1056, -90.4722</a>
<a href="#">Hunter-Lab</a>	<a href="#">74.8263, -35.5250, -7.0679</a>

# Details

The Yxy color **55.9898, 0.2339, 0.3274** 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 **19.8734, 0.5371, 0.3306**, and the grayscale version is **41.8149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **28.1341, 0.2236, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **55.2453, 0.2290, 0.3272**, and if you desaturate by 10%, it is **57.0329, 0.2408, 0.3276**.

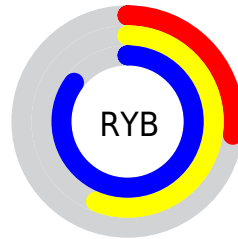
# Distribution



Red (27%)

Green (85%)

Blue (85%)



Red (27%)

Yellow (56%)

Blue (85%)

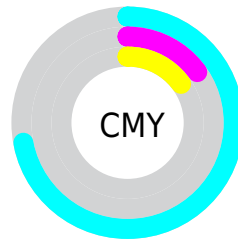


Cyan (68%)

Magenta (0%)

Yellow (0%)

Black (15%)



Cyan (72%)

Magenta (15%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9898, 0.2339, 0.3274 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 55.9898, 0.2339, 0.3274 by changing the saturation by 10% instead.




 55.9898, 0.2339,  
0.3274


 55.9898, 0.2339,  
0.3274


409.6531, 0.2711,  
0.3293


 40.1947, 0.2253,  
0.3267


 98.9897, 0.2469,  
0.3283

 27.6904, 0.2146,  
0.3256


 126.9633, 0.2519,  
0.3286

 18.0924, 0.2011,  
0.3239


 159.7652, 0.2562,  
0.3288

 11.0164, 0.1835,  
0.3211

 197.7798, 0.2600,  
0.3289

 6.0778, 0.1596,  
0.3163

241.3915, 0.2633,  
0.3290

 2.8925, 0.1262,  
0.3071

290.9846, 0.2662,

 1.0759, 0.0275,

0.3291

346.9437, 0.2688,  
0.3292

0.3023

0.0000, 0.0000,  
0.0000

55.9898, 0.2339,  
0.3274

55.9898, 0.2339,  
0.3274

55.2453, 0.2290,  
0.3272

57.0329, 0.2408,  
0.3276

54.7594, 0.2259,  
0.3269

58.3968, 0.2496,  
0.3279


54.4874, 0.2243,  
0.3267


60.1088, 0.2602,  
0.3281

54.4402, 0.2241,  
0.3267

62.1915, 0.2724,  
0.3284

64.6659, 0.2860,  
0.3286

 67.5510, 0.3007,  
0.3288

 70.8649, 0.3161,  
0.3290

 74.6244, 0.3321,  
0.3292

 76.6312, 0.3398,  
0.3294

# Harmonies

## Analogous

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



55.9898, 0.2688, 0.3790



55.9898, 0.2339, 0.3274



55.9898, 0.2195, 0.2819

# Triad

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



55.9898, 0.2339, 0.3274



55.9898, 0.3012, 0.2585



55.9898, 0.4037, 0.3995

# Complementary

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



55.9898, 0.2339, 0.3274



19.8734, 0.5371, 0.3306

# 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.



55.9898, 0.4157, 0.3628



55.9898, 0.2339, 0.3274



55.9898, 0.3539, 0.2852

# Square

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



55.9898, 0.2339, 0.3274



55.9898, 0.2557, 0.2472



55.9898, 0.3973, 0.3221



55.9898, 0.3669, 0.4212



# Rectangle

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



55.9898, 0.2339, 0.3274



55.9898, 0.2222, 0.2613



55.9898, 0.3973, 0.3221



55.9898, 0.4109, 0.3883

# Sweetspot

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



55.9919, 0.2339, 0.3274



91.3575, 0.2827, 0.3286



51.8913, 0.3025, 0.5466



19.3358, 0.2788, 0.3285



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.



55.9919, 0.2339, 0.3274



78.4913, 0.2275, 0.3271



26.3366, 0.2070, 0.2166



14.8137, 0.2982, 0.3288



32.6243, 0.2241, 0.3267



2.1185, 0.2242, 0.3271



# Inverse Universe

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



24.3124, 0.3209, 0.1788



30.5413, 0.3219, 0.1635



35.3161, 0.4660, 0.4114



13.2733, 0.3139, 0.3061



11.9172, 0.3226, 0.1551

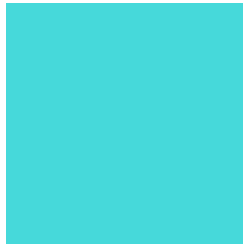


0.7726, 0.3223, 0.1549



# Previews

## White Background



This preview shows how the Yxy color 55.9898, 0.2339, 0.3274 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

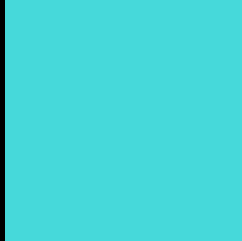
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.9898, 0.2339, 0.3274 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

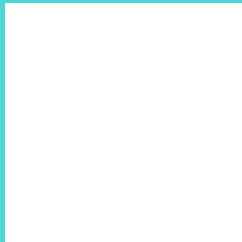
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.9898, 0.2339, 0.3274**

## Background



This preview shows how black text looks on a background with the Yxy color 55.9898, 0.2339, 0.3274.

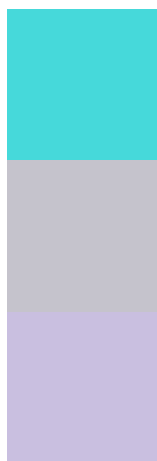


This preview shows how white text looks on a background with the Yxy color 55.9898, 0.2339, 0.3274.

# 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

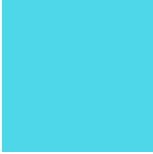
55.9898, 0.2339, 0.3274

### Protanopia

55.2602, 0.3077, 0.3182

### Deuteranopia

55.0609, 0.2965, 0.2907



## **Tritanopia**

56.0468, 0.2295, 0.3063

# Trichromacy



## Original Color

55.9898, 0.2339, 0.3274



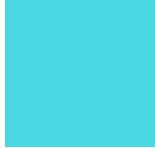
## Protanomaly

53.8946, 0.2718, 0.3211



## Deuteranomaly

53.3548, 0.2650, 0.3010



## Tritanomaly

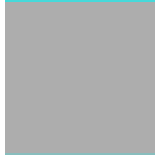
56.1536, 0.2311, 0.3140

# Monochromacy



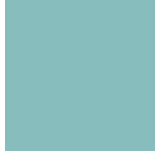
## Original Color

55.9898, 0.2339, 0.3274



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

45.3036, 0.2725, 0.3289

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9898, 0.2339, 0.3274 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(70, 217, 218)` looks like.

```
.text, #text, p{  
    color:rgb(70, 217, 218)  
}
```

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(70, 217, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 217, 218) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9898, 0.2339, 0.3274 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(70, 217, 218) }
```

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

```
.border{ border-color:rgb(70, 217, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 217, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 217, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 217, 218);  
box-shadow:4px 4px 4px 4px rgb(70, 217,  
218) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9898, 0.2339, 0.3274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 217, 218) }
```

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

```
.background{ background-color: rgb(70, 217,  
218) }
```

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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