

# Converting Colors

$Y_{xy}(55.8479, 0.2271, 0.3250)$

Have a look what the booklet for  
Yxy(55.8479, 0.2271, 0.3250)  
contains.

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# Color

**Yxy(55.8347, 0.2270, 0.3246)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29DADD
RGB	41, 218, 221
RGB Percent	16%, 85%, 87%
CMY	0.8380, 0.1451, 0.1333
CMYK	0.81, 0.01, 0.00, 0.13
HSL	181°, 73%, 51%
HSV	181°, 81%, 87%
XYZ	39.0464, 55.8347, 77.1296
YIQ	165.4190, -106.4550, -36.5910

# Conversions

## Conversions Part 2

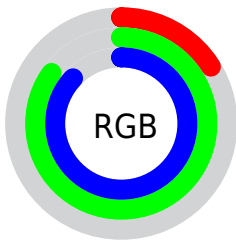
Format	Color
<b>RYB</b>	41, 130, 221
Decimal	2743005
CIELab	79.52, -40.03, -13.60
CIELCh	80, 42.276, 198.761
Yxy	55.8347, 0.2270, 0.3246
Android (android.graphics.Color)	4280933085 (0xFF29DADD)
YUV	165.4190, 27.4014, -109.1155
Hunter-Lab	74.7226, -37.4891, -8.8941

# Details

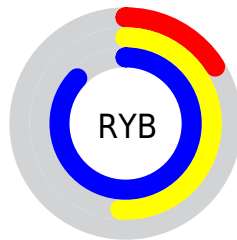
The Yxy color **55.8347, 0.2270, 0.3246** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.3617, 0.5950, 0.3317**, and the grayscale version is **37.7877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **28.5938, 0.2226, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **55.3073, 0.2244, 0.3241**, and if you desaturate by 10%, it is **56.6220, 0.2314, 0.3252**.

# Distribution



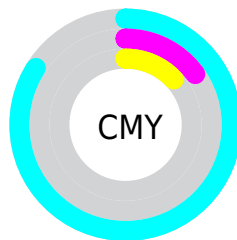
- Red (16%)
- Green (85%)
- Blue (87%)



- Red (16%)
- Yellow (51%)
- Blue (87%)



- Cyan (81%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)



- Cyan (84%)
- Magenta (15%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8347, 0.2270, 0.3246 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 55.8347, 0.2270, 0.3246 by changing the saturation by 10% instead.





 55.8347, 0.2270,  
0.3246


 55.8347, 0.2270,  
0.3246


409.0683, 0.2673,  
0.3280


 40.0704, 0.2177,  
0.3234


 98.7629, 0.2410,  
0.3261

 27.5934, 0.2063,  
0.3218


 126.6955, 0.2465,  
0.3266


 18.0194, 0.1918,  
0.3193


 159.4531, 0.2512,  
0.3270

 10.9639, 0.1731,  
0.3154

 197.4199, 0.2552,  
0.3273

 6.0426, 0.1480,  
0.3089

 240.9805, 0.2588,  
0.3275

 2.8710, 0.1136,  
0.2967

290.5191, 0.2620,

 1.0648, 0.0066,

0.3277

0.2886

346.4202, 0.2648,  
0.3279

■ 0.0000, 0.0000,  
0.0000

■ 55.8347, 0.2270,  
0.3246

■ 55.8347, 0.2270,  
0.3246

■ 55.3073, 0.2244,  
0.3241

■ 56.6220, 0.2314,  
0.3252

■ 54.9999, 0.2232,  
0.3236

■ 57.7001, 0.2377,  
0.3257

■ 59.1022, 0.2460,  
0.3263

■ 60.8554, 0.2561,  
0.3269

■ 62.9841, 0.2678,  
0.3274

■ 65.5104, 0.2811,  
0.3280

■ 68.4546, 0.2954,  
0.3285

■ 71.8358, 0.3107,  
0.3289

■ 75.6719, 0.3265,  
0.3294

# Harmonies

## Analogous

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



55.8347, 0.2634, 0.3810



55.8347, 0.2270, 0.3246



55.8347, 0.2128, 0.2763

# Triad

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



55.8347, 0.2270, 0.3246



55.8347, 0.3024, 0.2546



55.8347, 0.4092, 0.4057

# Complementary

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



55.8347, 0.2270, 0.3246



17.3617, 0.5950, 0.3317

# 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.



55.8347, 0.4239, 0.3664



55.8347, 0.2270, 0.3246



55.8347, 0.3593, 0.2834

# Square

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



55.8347, 0.2270, 0.3246



55.8347, 0.2531, 0.2416



55.8347, 0.4055, 0.3230



55.8347, 0.3686, 0.4289



# Rectangle

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



55.8347, 0.2270, 0.3246



55.8347, 0.2164, 0.2551



55.8347, 0.4055, 0.3230



55.8347, 0.4175, 0.3937

# Sweetspot

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



55.8368, 0.2270, 0.3246



89.5292, 0.2771, 0.3278



52.3787, 0.3004, 0.5774



18.8931, 0.2723, 0.3276



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.



55.8368, 0.2270, 0.3246



76.1257, 0.2234, 0.3237



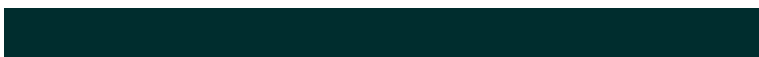
21.1805, 0.1901, 0.1854



14.7901, 0.2982, 0.3286



31.9660, 0.2232, 0.3237



2.0831, 0.2235, 0.3245



# Inverse Universe

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



22.0425, 0.3239, 0.1650



28.3235, 0.3251, 0.1569



32.6289, 0.4985, 0.4195



13.2709, 0.3140, 0.3063



11.8507, 0.3251, 0.1565

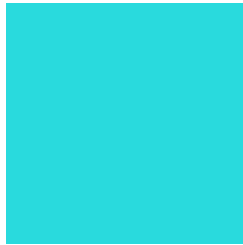


0.7690, 0.3244, 0.1561



# Previews

## White Background



This preview shows how the Yxy color 55.8347, 0.2270, 0.3246 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

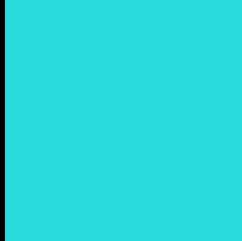
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.8347, 0.2270, 0.3246 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

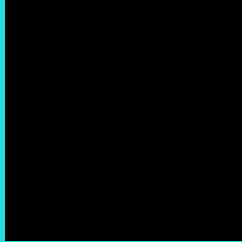
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.8347, 0.2270, 0.3246**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.8347, 0.2270, 0.3246.

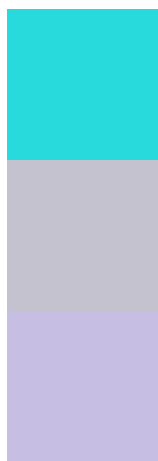


This preview shows how white text looks on a background with the Yxy color 55.8347, 0.2270, 0.3246.

# 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

55.8347, 0.2270, 0.3246

### Protanopia

54.7756, 0.3055, 0.3146

### Deuteranopia

54.9498, 0.2930, 0.2872



## **Tritanopia**

55.8091, 0.2232, 0.3047

# Trichromacy



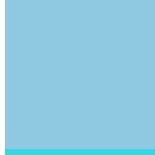
## Original Color

55.8347, 0.2270, 0.3246



## Protanomaly

52.9905, 0.2639, 0.3183



## Deuteranomaly

52.9603, 0.2569, 0.2981



## Tritanomaly

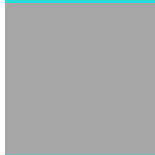
55.9358, 0.2248, 0.3126

# Monochromacy



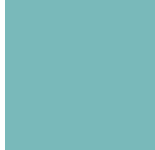
## Original Color

55.8347, 0.2270, 0.3246



## Achromatopsia

38.1326, 0.3127, 0.3290



## Achromatomaly

42.3080, 0.2639, 0.3274

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.8347, 0.2270, 0.3246 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(41, 218, 221)` looks like.

```
.text, #text, p{  
    color:rgb(41, 218, 221)  
}
```

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(41, 218, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 218, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 55.8347, 0.2270, 0.3246 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(41, 218, 221) }
```

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

```
.border{ border-color:rgb(41, 218, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 218, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 218, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 218, 221);  
box-shadow:4px 4px 4px 4px rgb(41, 218,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.8347, 0.2270, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 218, 221) }
```

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

```
.background{ background-color: rgb(41, 218,  
221) }
```

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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