

# Converting Colors

$Y_{xy}(55.2759, 0.2299, 0.3477)$

Have a look what the booklet for  
Yxy(55.2759, 0.2299, 0.3477)  
contains.

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# Color

**Yxy(55.1193, 0.2298, 0.3473)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DBCE
RGB	0, 219, 206
RGB Percent	0%, 86%, 81%
CMY	1.0000, 0.1412, 0.1921
CMYK	1.00, 0.00, 0.06, 0.14
HSL	176°, 100%, 43%
HSV	176°, 100%, 86%
XYZ	36.4711, 55.1193, 67.1176
YIQ	152.0370, -126.3510, -50.4710

# Conversions

## Conversions Part 2

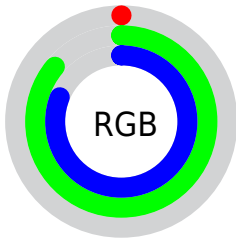
Format	Color
<b>RYB</b>	0, 113, 219
Decimal	56270
CIELab	79.11, -46.62, -6.23
CIELCh	79, 47.036, 187.610
Yxy	55.1193, 0.2298, 0.3473
Android (android.graphics.Color)	4278246350 (0xFF00DBCE)
YUV	152.0370, 26.6038, -133.3364
Hunter-Lab	74.2424, -42.2371, -1.6305

# Details

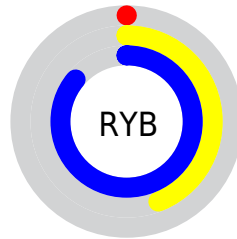
The Yxy color **55.1193, 0.2298, 0.3473** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.0899, 0.6349, 0.3271**, and the grayscale version is **31.3420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **28.4614, 0.2304, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **55.1226, 0.2298, 0.3473**, and if you desaturate by 10%, it is **55.3555, 0.2306, 0.3454**.

# Distribution



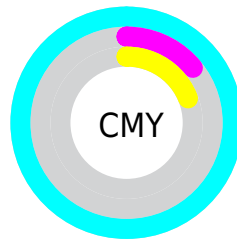
- Red (0%)
- Green (86%)
- Blue (81%)



- Red (0%)
- Yellow (44%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1193, 0.2298, 0.3473 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 55.1193, 0.2298, 0.3473 by changing the saturation by 10% instead.





 55.1193, 0.2298,  
0.3473


 55.1193, 0.2298,  
0.3473


406.3640, 0.2692,  
0.3393

 39.4972, 0.2206,  
0.3490

 97.7157, 0.2436,  
0.3446

 27.1468, 0.2092,  
0.3509


 125.4589, 0.2490,  
0.3436


 17.6835, 0.1946,  
0.3532


 158.0112, 0.2535,  
0.3426

 10.7230, 0.1756,  
0.3558

 195.7571, 0.2575,  
0.3418

 5.8809, 0.1497,  
0.3585

 239.0809, 0.2610,  
0.3411

 2.7728, 0.1134,  
0.3603

288.3671, 0.2640,

 1.0143, 0.0000,

0.3404

0.3803

344.0000, 0.2668,  
0.3398

■ 0.0000, 0.0000,  
0.0000

■ 55.1193, 0.2298,  
0.3473

■ 55.1193, 0.2298,  
0.3473

■ 55.1226, 0.2298,  
0.3473

■ 55.3555, 0.2306,  
0.3454

■ 55.7811, 0.2328,  
0.3434

■ 56.4624, 0.2369,  
0.3414

■ 57.4348, 0.2429,  
0.3394

■ 58.7281, 0.2508,  
0.3374

■ 60.3685, 0.2605,  
0.3355

■ 62.3794, 0.2718,  
0.3337

■ 64.7822, 0.2845,  
0.3320

■ 67.5967, 0.2982,  
0.3304

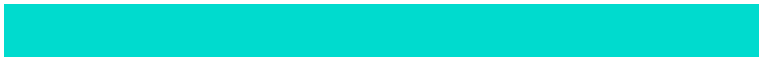
# Harmonies

## Analogous

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



55.1193, 0.2773, 0.4084



55.1193, 0.2298, 0.3473



55.1193, 0.2052, 0.2873

# Triad

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



55.1193, 0.2298, 0.3473



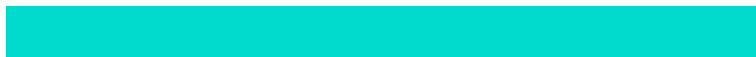
55.1193, 0.2788, 0.2394



55.1193, 0.4301, 0.3980

# Complementary

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



55.1193, 0.2298, 0.3473



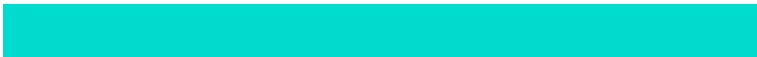
15.0899, 0.6349, 0.3271

# 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.



55.1193, 0.4337, 0.3515



55.1193, 0.2298, 0.3473



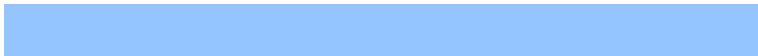
55.1193, 0.3410, 0.2651

# Square

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



55.1193, 0.2298, 0.3473



55.1193, 0.2312, 0.2325



55.1193, 0.4000, 0.3047



55.1193, 0.3935, 0.4335

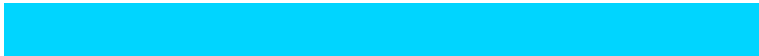


# Rectangle

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



55.1193, 0.2298, 0.3473



55.1193, 0.2029, 0.2582



55.1193, 0.4000, 0.3047



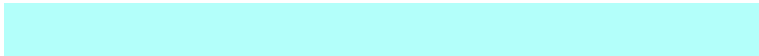
55.1193, 0.4354, 0.3831

# Sweetspot

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



55.1226, 0.2298, 0.3473



87.9754, 0.2715, 0.3338



50.7639, 0.3012, 0.5991



18.5592, 0.2665, 0.3345



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.



55.1226, 0.2298, 0.3473



77.8038, 0.2299, 0.3475



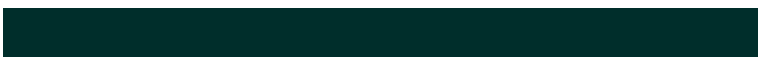
19.5559, 0.1830, 0.1789



14.8155, 0.2990, 0.3304



32.6892, 0.2297, 0.3470



2.1219, 0.2288, 0.3438



# Inverse Universe

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



15.0899, 0.6349, 0.3271



21.2948, 0.6357, 0.3276



23.2277, 0.5620, 0.3920



13.0640, 0.3282, 0.3277



8.9524, 0.6334, 0.3263

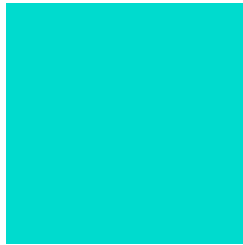


0.5845, 0.6138, 0.3155



# Previews

## White Background



This preview shows how the Yxy color 55.1193, 0.2298, 0.3473 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

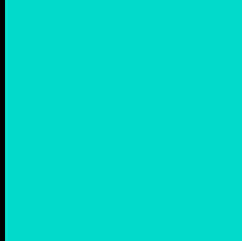
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.1193, 0.2298, 0.3473 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

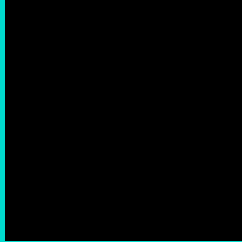
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

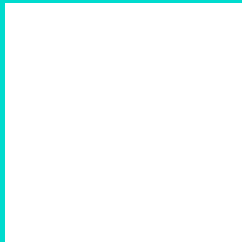
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.1193, 0.2298, 0.3473**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.1193, 0.2298, 0.3473.

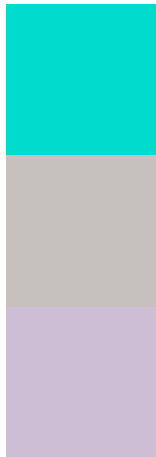


This preview shows how white text looks on a background with the Yxy color 55.1193, 0.2298, 0.3473.

# 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

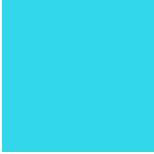
55.1193, 0.2298, 0.3473

### Protanopia

53.9073, 0.3183, 0.3315

### Deuteranopia

54.1784, 0.3076, 0.3009



## **Tritanopia**

55.1622, 0.2227, 0.3046

# Trichromacy



## Original Color

55.1193, 0.2298, 0.3473



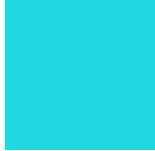
## Protanomaly

50.6622, 0.2641, 0.3372



## Deuteranomaly

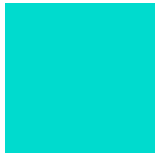
50.7075, 0.2581, 0.3154



## Tritanomaly

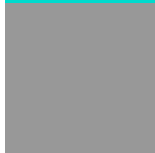
54.7465, 0.2242, 0.3191

# Monochromacy



## Original Color

55.1193, 0.2298, 0.3473



## Achromatopsia

31.3989, 0.3127, 0.3290



## Achromatomaly

36.5706, 0.2558, 0.3352

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.1193, 0.2298, 0.3473 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(0, 219, 206)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 206)  
}
```

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(0, 219, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 55.1193, 0.2298, 0.3473 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(0, 219, 206) }
```

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

```
.border{ border-color:rgb(0, 219, 206) }
```

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

Here you see how a box with a 4 pixel rgb(0, 219, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.1193, 0.2298, 0.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 206) }
```

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

```
.background{ background-color: rgb(0, 219,  
206) }
```

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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