

# Converting Colors

$Y_{xy}(48.4752, 0.1666, 0.3345)$

Have a look what the booklet for  
Yxy(48.4752, 0.1666, 0.3345)  
contains.

<b>Yxy(55.5693, 0.2262, 0.3344)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(55.5693, 0.2262, 0.3344)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00DBD7
RGB	0, 219, 215
RGB Percent	0%, 86%, 84%
CMY	1.0000, 0.1411, 0.1570
CMYK	1.00, 0.00, 0.02, 0.14
HSL	179°, 100%, 43%
HSV	179°, 100%, 86%
XYZ	37.5890, 55.5693, 73.0178
YIQ	153.0630, -129.2400, -47.6720

# Conversions

## Conversions Part 2

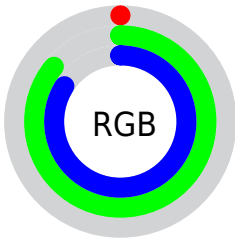
Format	Color
<b>RYB</b>	0, 111, 219
Decimal	56279
CIELab	79.37, -44.06, -10.63
CIELCh	79, 45.324, 193.567
Yxy	55.5693, 0.2262, 0.3344
Android (android.graphics.Color)	4278246359 (0xFF00DBD7)
YUV	153.0630, 30.5349, -134.2363
Hunter-Lab	74.5448, -40.4452, -5.8941

# Details

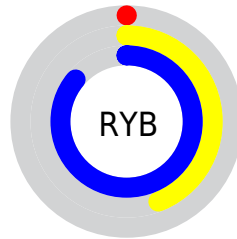
The Yxy color **55.5693, 0.2262, 0.3344** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.0709, 0.6385, 0.3291**, and the grayscale version is **31.7930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **28.7325, 0.2262, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **55.5749, 0.2262, 0.3344**, and if you desaturate by 10%, it is **55.7652, 0.2273, 0.3338**.

# Distribution



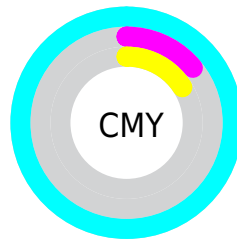
- Red (0%)
- Green (86%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5693, 0.2262, 0.3344 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 55.5693, 0.2262, 0.3344 by changing the saturation by 10% instead.




 55.5693, 0.2262,  
0.3344


 55.5693, 0.2262,  
0.3344


408.0663, 0.2670,  
0.3330


 39.8577, 0.2168,  
0.3344

 98.3746, 0.2405,  
0.3342


 27.4276, 0.2051,  
0.3342


 126.2370, 0.2460,  
0.3340


 17.8946, 0.1904,  
0.3336


 158.9186, 0.2507,  
0.3338

 10.8744, 0.1712,  
0.3322

 196.8036, 0.2548,  
0.3337

 5.9824, 0.1455,  
0.3292

 240.2765, 0.2584,  
0.3335

 2.8344, 0.1100,  
0.3221

289.7217, 0.2616,

 1.0459, 0.0000,

0.3333

345.5235, 0.2645,  
0.3332

0.3235

0.0000, 0.0000,  
0.0000

55.5693, 0.2262,  
0.3344

55.5749, 0.2262,  
0.3344

55.5693, 0.2262,  
0.3344

55.7652, 0.2273,  
0.3338

56.1476, 0.2299,  
0.3332

56.7854, 0.2342,  
0.3326

57.7138, 0.2405,  
0.3320

58.9628, 0.2486,  
0.3315

■ 60.5583, 0.2587,  
0.3309

■ 62.5239, 0.2703,  
0.3304

■ 64.8809, 0.2834,  
0.3299

■ 67.6492, 0.2976,  
0.3294

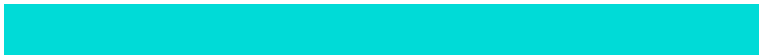
# Harmonies

## Analogous

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



55.5693, 0.2683, 0.3948



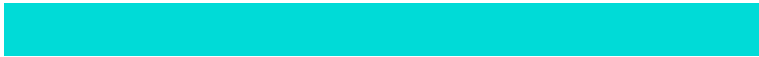
55.5693, 0.2262, 0.3344



55.5693, 0.2071, 0.2797

# Triad

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



55.5693, 0.2262, 0.3344



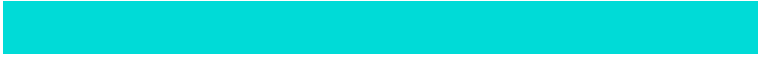
55.5693, 0.2913, 0.2460



55.5693, 0.4210, 0.4039

# Complementary

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



55.5693, 0.2262, 0.3344



15.0709, 0.6385, 0.3291

# 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.



55.5693, 0.4312, 0.3603



55.5693, 0.2262, 0.3344



55.5693, 0.3522, 0.2741

# Square

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



55.5693, 0.2262, 0.3344



55.5693, 0.2417, 0.2355



55.5693, 0.4055, 0.3144



55.5693, 0.3811, 0.4337

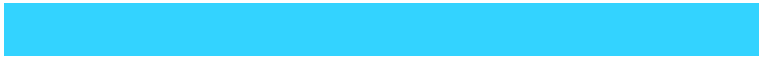


# Rectangle

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



55.5693, 0.2262, 0.3344



55.5693, 0.2081, 0.2546



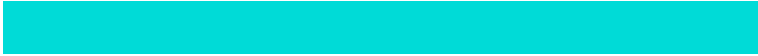
55.5693, 0.4055, 0.3144



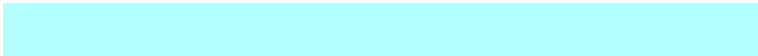
55.5693, 0.4282, 0.3902

# Sweetspot

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



55.5749, 0.2262, 0.3344



88.1737, 0.2700, 0.3304



50.7170, 0.3006, 0.5995



18.6075, 0.2649, 0.3306



0.0000, 0.0000, 0.0000

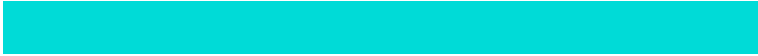


21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



55.5749, 0.2262, 0.3344



78.4410, 0.2262, 0.3345



17.7928, 0.1798, 0.1673



14.8252, 0.2985, 0.3294



32.9508, 0.2262, 0.3343



2.1361, 0.2259, 0.3333



# Inverse Universe

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



15.0709, 0.6385, 0.3291



21.2703, 0.6388, 0.3293



24.6054, 0.5522, 0.3997



13.0554, 0.3289, 0.3286



8.9369, 0.6380, 0.3288

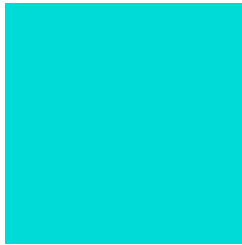


0.5804, 0.6316, 0.3253



# Previews

## White Background



This preview shows how the Yxy color 55.5693, 0.2262, 0.3344 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

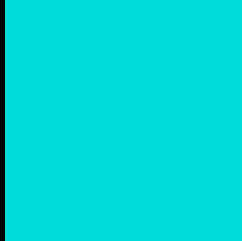
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.5693, 0.2262, 0.3344 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

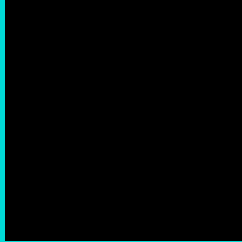
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

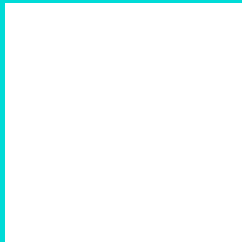
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.5693, 0.2262, 0.3344**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.5693, 0.2262, 0.3344.



This preview shows how white text looks on a background with the Yxy color 55.5693, 0.2262, 0.3344.

# 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

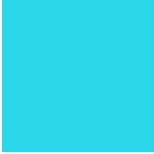
55.5693, 0.2262, 0.3344

### Protanopia

54.6240, 0.3107, 0.3217

### Deuteranopia

54.6039, 0.2994, 0.2929



## **Tritanopia**

55.5658, 0.2215, 0.3046

# Trichromacy



## Original Color

55.5693, 0.2262, 0.3344



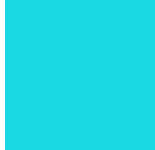
## Protanomaly

51.4796, 0.2587, 0.3261



## Deuteranomaly

51.5549, 0.2528, 0.3051



## Tritanomaly

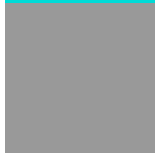
55.4048, 0.2225, 0.3151

# Monochromacy



## Original Color

55.5693, 0.2262, 0.3344



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

37.1203, 0.2536, 0.3304

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.5693, 0.2262, 0.3344 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, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 215)  
}
```

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, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 55.5693, 0.2262, 0.3344 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, 215) }
```

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

```
.border{ border-color:rgb(0, 219, 215) }
```

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, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.5693, 0.2262, 0.3344 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, 215) }
```

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

```
.background{ background-color: rgb(0, 219,  
215) }
```

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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