

# Converting Colors

$Y_{xy}(60.7200, 0.2272, 0.3380)$

Have a look what the booklet for  
Yxy(60.7200, 0.2272, 0.3380)  
contains.

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# Color

**Yxy(60.7073, 0.2273, 0.3382)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E4DD
RGB	0, 228, 221
RGB Percent	0%, 89%, 87%
CMY	0.9985, 0.1059, 0.1332
CMYK	1.00, 0.00, 0.03, 0.11
HSL	178°, 100%, 45%
HSV	178°, 100%, 89%
XYZ	40.8006, 60.7073, 77.9933
YIQ	159.0300, -133.6410, -50.5130

# Conversions

## Conversions Part 2

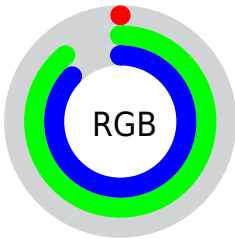
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 116, 228
Decimal	58589
CIELab	82.22, -46.19, -9.60
CIELCh	82, 47.177, 191.744
Yxy	60.7073, 0.2273, 0.3382
Android (android.graphics.Color)	4278248669 (0xFF00E4DD)
YUV	159.0300, 30.5512, -139.4693
Hunter-Lab	77.9149, -42.8784, -4.8092

# Details

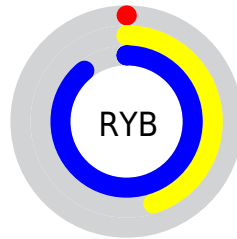
The Yxy color **60.7073, 0.2273, 0.3382** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.5180, 0.6374, 0.3286**, and the grayscale version is **34.6453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **32.2582, 0.2276, 0.3394** is the 20% darker color. If you saturate the color by 10%, you get **60.7064, 0.2273, 0.3382**, and if you desaturate by 10%, it is **60.9287, 0.2283, 0.3372**.

# Distribution



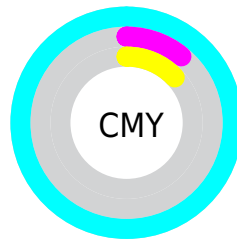
- Red (0%)
- Green (89%)
- Blue (87%)



- Red (0%)
- Yellow (45%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.7073, 0.2273, 0.3382 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 60.7073, 0.2273, 0.3382 by changing the saturation by 10% instead.





 60.7073, 0.2273,  
0.3382

 60.7073, 0.2273,  
0.3382


427.2000, 0.2670,  
0.3349


 43.9890, 0.2183,  
0.3387


 105.8550, 0.2411,  
0.3373

 30.6619, 0.2071,  
0.3391


 135.0532, 0.2464,  
0.3369

 20.3415, 0.1932,  
0.3393

 169.1802, 0.2511,  
0.3365

 12.6435, 0.1751,  
0.3392

 208.6203, 0.2551,  
0.3361

 7.1835, 0.1512,  
0.3380

 253.7579, 0.2586,  
0.3358

 3.5771, 0.1184,  
0.3343

304.9775, 0.2617,

 1.4400, 0.0369,

0.3355

362.6634, 0.2645,  
0.3352

0.3357

0.2459, 0.0000,  
0.2075

0.0000, 0.0000,  
0.0000

60.7073, 0.2273,  
0.3382

60.7073, 0.2273,  
0.3382

60.7064, 0.2273,  
0.3382

60.9287, 0.2283,  
0.3372

61.3624, 0.2307,  
0.3362

62.0768, 0.2350,  
0.3352

63.1112, 0.2412,  
0.3342

■ 64.4985, 0.2493,  
0.3332

■ 66.2673, 0.2593,  
0.3323

■ 68.4435, 0.2709,  
0.3314

■ 71.0507, 0.2839,  
0.3305

■ 74.1108, 0.2980,  
0.3297

# Harmonies

## Analogous

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



60.7073, 0.2710, 0.3988



60.7073, 0.2273, 0.3382



60.7073, 0.2066, 0.2820

# Triad

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



60.7073, 0.2273, 0.3382



60.7073, 0.2876, 0.2441



60.7073, 0.4237, 0.4021

# Complementary

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



60.7073, 0.2273, 0.3382



16.5180, 0.6374, 0.3286

# 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.



60.7073, 0.4319, 0.3576



60.7073, 0.2273, 0.3382



60.7073, 0.3488, 0.2714

# Square

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



60.7073, 0.2273, 0.3382



60.7073, 0.2386, 0.2347



60.7073, 0.4039, 0.3115



60.7073, 0.3847, 0.4336

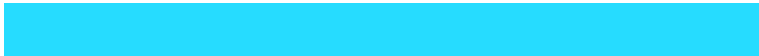


# Rectangle

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



60.7073, 0.2273, 0.3382



60.7073, 0.2066, 0.2557



60.7073, 0.4039, 0.3115



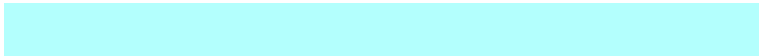
60.7073, 0.4304, 0.3881

# Sweetspot

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



60.7096, 0.2273, 0.3382



88.1143, 0.2705, 0.3314



55.5374, 0.3005, 0.5995



18.5930, 0.2654, 0.3318



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.



60.7096, 0.2273, 0.3382



78.2474, 0.2273, 0.3383



19.4687, 0.1798, 0.1672



16.3284, 0.2986, 0.3297



35.0586, 0.2272, 0.3381



2.5931, 0.2268, 0.3366



# Inverse Universe

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



16.5180, 0.6374, 0.3286



21.2771, 0.6379, 0.3288



26.9276, 0.5522, 0.3996



14.3751, 0.3288, 0.3283



9.5362, 0.6367, 0.3281

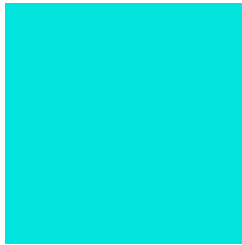


0.7072, 0.6273, 0.3229



# Previews

## White Background



This preview shows how the Yxy color 60.7073, 0.2273, 0.3382 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

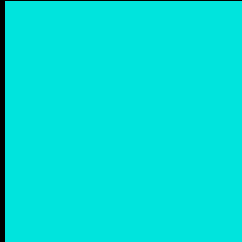
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 60.7073, 0.2273, 0.3382 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

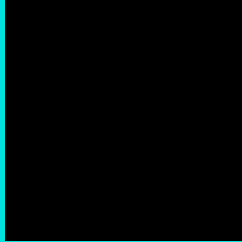
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

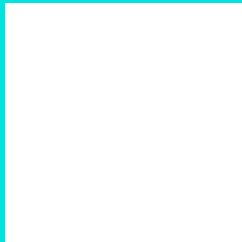
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 60.7073, 0.2273, 0.3382**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.7073, 0.2273, 0.3382.

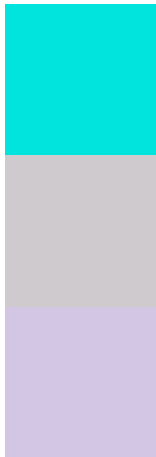


This preview shows how white text looks on a background with the Yxy color 60.7073, 0.2273, 0.3382.

# 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

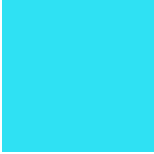
60.7073, 0.2273, 0.3382

### Protanopia

59.7706, 0.3137, 0.3255

### Deuteranopia

59.3828, 0.3013, 0.2942



## **Tritanopia**

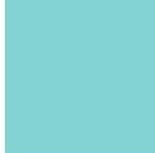
60.9258, 0.2220, 0.3055

# Trichromacy



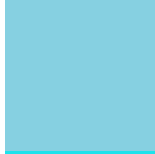
## Original Color

60.7073, 0.2273, 0.3382



## Protanomaly

56.1170, 0.2603, 0.3288



## Deuteranomaly

55.6163, 0.2538, 0.3070



## Tritanomaly

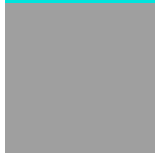
60.6669, 0.2232, 0.3169

# Monochromacy



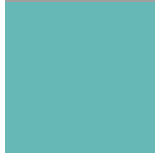
## Original Color

60.7073, 0.2273, 0.3382



## Achromatopsia

34.6704, 0.3127, 0.3290



## Achromatomaly

40.4251, 0.2541, 0.3319

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.7073, 0.2273, 0.3382 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, 228, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 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(0, 228, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 221) }
```

## Border

The CSS property to change the border of an element to Yxy 60.7073, 0.2273, 0.3382 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, 228, 221) }
```

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

```
.border{ border-color:rgb(0, 228, 221) }
```

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

Here you see how a box with a 4 pixel rgb(0, 228, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
221) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.7073, 0.2273, 0.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 221) }
```

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

```
.background{ background-color: rgb(0, 228,  
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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