

Converting Colors

$Y_{xy}(47.1550, 0.1685, 0.3386)$

Have a look what the booklet for
Yxy(47.1550, 0.1685, 0.3386)
contains.

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Color

Yxy(53.7649, 0.2270, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	00D8D2
RGB	0, 216, 210
RGB Percent	0%, 85%, 82%
CMY	1.0000, 0.1529, 0.1764
CMYK	1.00, 0.00, 0.03, 0.15
HSL	178°, 100%, 42%
HSV	178°, 100%, 85%
XYZ	36.1833, 53.7649, 69.4496
YIQ	150.7320, -126.8100, -47.6580

Conversions

Conversions Part 2

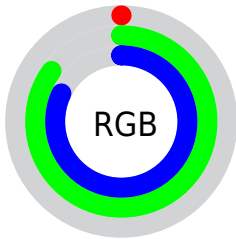
Format	Color
RYB	0, 110, 216
Decimal	55506
CIELab	78.32, -44.19, -9.53
CIELCh	78, 45.211, 192.171
Yxy	53.7649, 0.2270, 0.3373
Android (android.graphics.Color)	4278245586 (0xFF00D8D2)
YUV	150.7320, 29.2191, -132.1920
Hunter-Lab	73.3246, -40.2339, -4.8296

Details

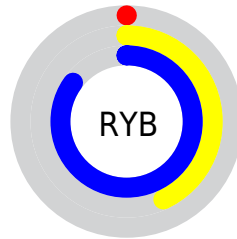
The Yxy color **53.7649, 0.2270, 0.3373** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.6137, 0.6377, 0.3286**, and the grayscale version is **30.7437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **27.5419, 0.2267, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **53.7710, 0.2270, 0.3373**, and if you desaturate by 10%, it is **53.9671, 0.2281, 0.3364**.

Distribution



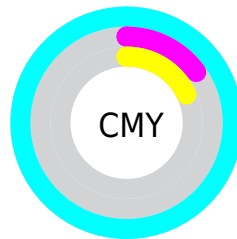
- Red (0%)
- Green (85%)
- Blue (82%)



- Red (0%)
- Yellow (43%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (15%)




- Cyan (100%)
- Magenta (15%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.7649, 0.2270, 0.3373 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 53.7649, 0.2270, 0.3373 by changing the saturation by 10% instead.


 53.7649, 0.2270,
0.3373


 53.7649, 0.2270,
0.3373


401.2129, 0.2677,
0.3344


 38.4137, 0.2175,
0.3377


 95.7290, 0.2413,
0.3365

 26.3040, 0.2058,
0.3379


 123.1107, 0.2468,
0.3362

 17.0512, 0.1908,
0.3380


 155.2713, 0.2515,
0.3358

 10.2710, 0.1712,
0.3374

 192.5953, 0.2556,
0.3355

 5.5790, 0.1448,
0.3355

 235.4671, 0.2592,
0.3352

 2.5908, 0.1081,
0.3298

284.2710, 0.2624,

 0.9221, 0.0000,

0.3349

0.3319

339.3915, 0.2652,
0.3347

■ 0.0000, 0.0000,
0.0000

■ 53.7649, 0.2270,
0.3373

■ 53.7649, 0.2270,
0.3373

■ 53.7710, 0.2270,
0.3373

■ 53.9671, 0.2281,
0.3364

■ 54.3490, 0.2306,
0.3355

■ 54.9784, 0.2348,
0.3346

■ 55.8892, 0.2410,
0.3337

■ 57.1105, 0.2492,
0.3328

■ 58.6673, 0.2591,
0.3320

■ 60.5823, 0.2707,
0.3311

■ 62.8764, 0.2837,
0.3304

■ 65.5684, 0.2978,
0.3297

Harmonies

Analogous

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



53.7649, 0.2703, 0.3979



53.7649, 0.2270, 0.3373



53.7649, 0.2066, 0.2814

Triad

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



53.7649, 0.2270, 0.3373



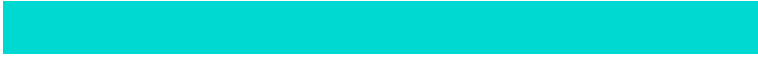
53.7649, 0.2884, 0.2445



53.7649, 0.4231, 0.4026

Complementary

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



53.7649, 0.2270, 0.3373



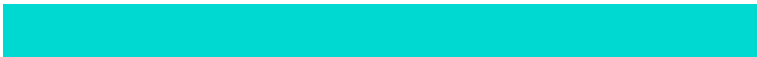
14.6137, 0.6377, 0.3286

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.



53.7649, 0.4318, 0.3583



53.7649, 0.2270, 0.3373



53.7649, 0.3496, 0.2720

Square

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



53.7649, 0.2270, 0.3373



53.7649, 0.2393, 0.2348



53.7649, 0.4043, 0.3121



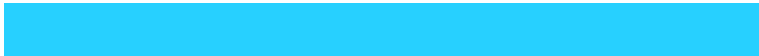
53.7649, 0.3839, 0.4337

Rectangle

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



53.7649, 0.2270, 0.3373



53.7649, 0.2069, 0.2554



53.7649, 0.4043, 0.3121



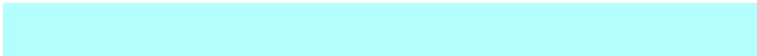
53.7649, 0.4299, 0.3886

Sweetspot

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



53.7710, 0.2270, 0.3373



88.1281, 0.2704, 0.3312



49.1638, 0.3006, 0.5995



18.5964, 0.2653, 0.3315



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.



53.7710, 0.2270, 0.3373



78.2922, 0.2271, 0.3374



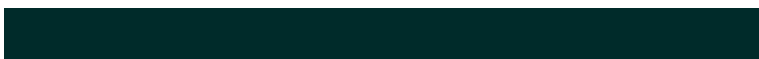
17.2669, 0.1798, 0.1674



14.1016, 0.2986, 0.3296



31.8262, 0.2270, 0.3372



1.9215, 0.2266, 0.3356

Inverse Universe

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



14.6137, 0.6377, 0.3286



21.2755, 0.6381, 0.3289



23.8701, 0.5521, 0.3999



12.4263, 0.3287, 0.3284



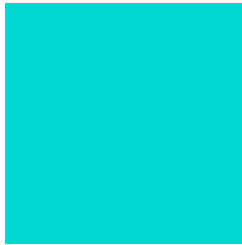
8.6515, 0.6369, 0.3282



0.5238, 0.6268, 0.3227

Previews

White Background



This preview shows how the Yxy color 53.7649, 0.2270, 0.3373 looks on a white background.

Color Contrast Check

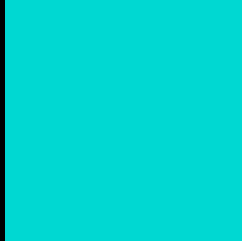
Large Text (above 18pt) WCAG AA × Fail

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 53.7649, 0.2270, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

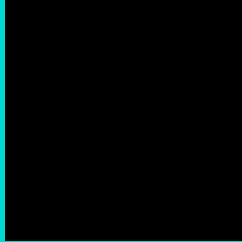
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.7649, 0.2270, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 53.7649, 0.2270, 0.3373.

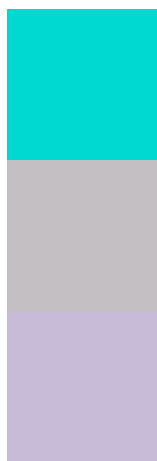


This preview shows how white text looks on a background with the Yxy color 53.7649, 0.2270, 0.3373.

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

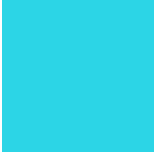
53.7649, 0.2270, 0.3373

Protanopia

52.8038, 0.3129, 0.3241

Deuteranopia

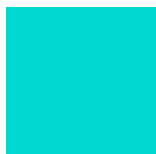
52.7779, 0.3015, 0.2947



Tritanopia

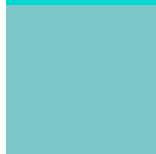
53.8371, 0.2221, 0.3056

Trichromacy



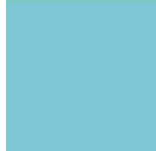
Original Color

53.7649, 0.2270, 0.3373



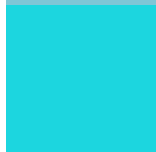
Protanomaly

49.7638, 0.2603, 0.3288



Deuteranomaly

49.7552, 0.2538, 0.3073



Tritanomaly

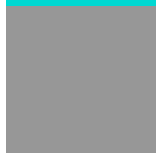
53.6677, 0.2230, 0.3163

Monochromacy



Original Color

53.7649, 0.2270, 0.3373



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

36.1253, 0.2549, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7649, 0.2270, 0.3373 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, 216, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 210)  
}
```

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, 216, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 210) }
```

Border

The CSS property to change the border of an element to Yxy 53.7649, 0.2270, 0.3373 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, 216, 210) }
```

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

```
.border{ border-color:rgb(0, 216, 210) }
```

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

Here you see how a box with a 4 pixel rgb(0, 216, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 53.7649, 0.2270, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 210) }
```

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

```
.background{ background-color: rgb(0, 216,  
210) }
```

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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