

Converting Colors

Yxy(50.4382, 0.1894, 0.3442)

Have a look what the booklet for
Yxy(50.4382, 0.1894, 0.3442)
contains.

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Color

Yxy(55.2665, 0.2286, 0.3429)

Conversions

Conversions Part 1

Format	Color
Hex	00DBD1
RGB	0, 219, 209
RGB Percent	0%, 86%, 82%
CMY	0.9991, 0.1412, 0.1803
CMYK	1.00, 0.00, 0.05, 0.14
HSL	177°, 100%, 43%
HSV	177°, 100%, 86%
XYZ	36.8443, 55.2665, 69.0630
YIQ	152.3790, -127.3140, -49.5380

Conversions

Conversions Part 2

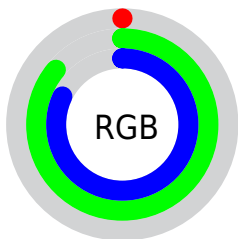
Format	Color
RYB	0, 112, 219
Decimal	56273
CIELab	79.19, -45.75, -7.71
CIELCh	79, 46.397, 189.568
Yxy	55.2665, 0.2286, 0.3429
Android (android.graphics.Color)	4278246353 (0xFF00DBD1)
YUV	152.3790, 27.9142, -133.6364
Hunter-Lab	74.3414, -41.6312, -3.0412

Details

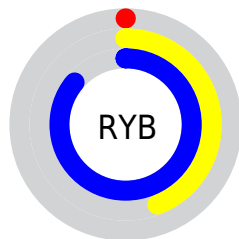
The Yxy color **55.2665, 0.2286, 0.3429** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.0874, 0.6360, 0.3278**, and the grayscale version is **31.5234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **28.5609, 0.2288, 0.3437** is the 20% darker color. If you saturate the color by 10%, you get **55.2665, 0.2286, 0.3429**, and if you desaturate by 10%, it is **55.4888, 0.2295, 0.3414**.

Distribution



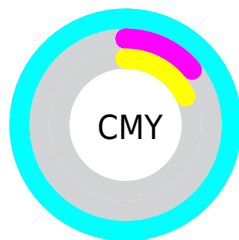
- Red (0%)
- Green (86%)
- Blue (82%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (14%)




- Cyan (100%)
- Magenta (14%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.2665, 0.2286, 0.3429 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 55.2665, 0.2286, 0.3429 by changing the saturation by 10% instead.


 55.2665, 0.2286,
0.3429

 55.2665, 0.2286,
0.3429


406.9213, 0.2685,
0.3372


 39.6151, 0.2193,
0.3440

 97.9313, 0.2426,
0.3411


 27.2386, 0.2078,
0.3452


 125.7135, 0.2480,
0.3403

 17.7525, 0.1932,
0.3465


 158.3082, 0.2526,
0.3396

 10.7724, 0.1741,
0.3477

 196.0996, 0.2566,
0.3390

 5.9140, 0.1483,
0.3483

 239.4723, 0.2601,
0.3385

 2.7929, 0.1123,
0.3469

288.8105, 0.2632,

 1.0246, 0.0000,

0.3380

0.3600

344.4987, 0.2660,
0.3376

■ 0.0000, 0.0000,
0.0000

■ 55.2665, 0.2286,
0.3429

■ 55.4888, 0.2295,
0.3414

■ 55.9029, 0.2319,
0.3399

■ 56.5730, 0.2360,
0.3384

■ 57.5342, 0.2421,
0.3369

■ 58.8165, 0.2502,
0.3354

■ 60.4459, 0.2600,
0.3340

■ 62.4458, 0.2715,
0.3326

■ 64.8375, 0.2843,
0.3313

■ 67.6409, 0.2982,
0.3301

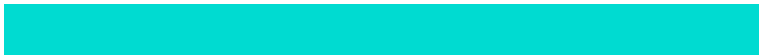
Harmonies

Analogous

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



55.2665, 0.2743, 0.4038



55.2665, 0.2286, 0.3429



55.2665, 0.2058, 0.2847

Triad

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



55.2665, 0.2286, 0.3429



55.2665, 0.2830, 0.2417



55.2665, 0.4270, 0.4000

Complementary

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



55.2665, 0.2286, 0.3429



15.0874, 0.6360, 0.3278

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.



55.2665, 0.4329, 0.3544



55.2665, 0.2286, 0.3429



55.2665, 0.3447, 0.2681

Square

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



55.2665, 0.2286, 0.3429



55.2665, 0.2347, 0.2335



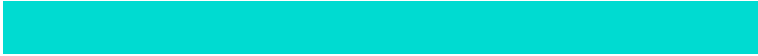
55.2665, 0.4019, 0.3079



55.2665, 0.3893, 0.4336

Rectangle

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



55.2665, 0.2286, 0.3429



55.2665, 0.2047, 0.2570



55.2665, 0.4019, 0.3079



55.2665, 0.4330, 0.3855

Sweetspot

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



55.2686, 0.2286, 0.3429



88.0416, 0.2710, 0.3326



50.7352, 0.3009, 0.5992



18.5753, 0.2660, 0.3332



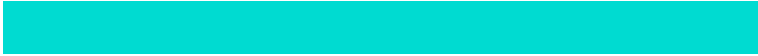
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



55.2686, 0.2286, 0.3429



78.0138, 0.2286, 0.3430



18.6833, 0.1815, 0.1732



14.8188, 0.2988, 0.3300



32.7755, 0.2285, 0.3427



2.1266, 0.2279, 0.3403

Inverse Universe

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



15.0874, 0.6360, 0.3278



21.2856, 0.6368, 0.3282



23.9238, 0.5569, 0.3960



13.0611, 0.3284, 0.3280



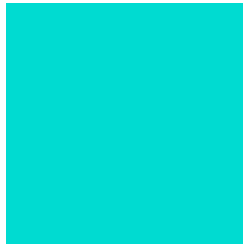
8.9472, 0.6349, 0.3271



0.5831, 0.6196, 0.3187

Previews

White Background



This preview shows how the Yxy color 55.2665, 0.2286, 0.3429 looks on a white background.

Color Contrast Check

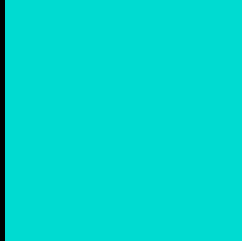
Large Text (above 18pt) WCAG AA × Fail

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 55.2665, 0.2286, 0.3429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

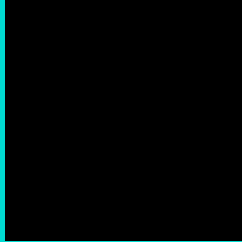
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

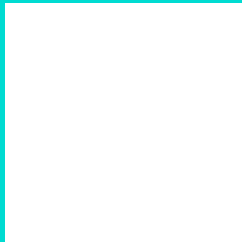
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.2665, 0.2286, 0.3429

Background



This preview shows how black text looks on a background with the Yxy color 55.2665, 0.2286, 0.3429.

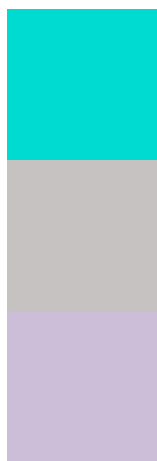


This preview shows how white text looks on a background with the Yxy color 55.2665, 0.2286, 0.3429.

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

55.2665, 0.2286, 0.3429

Protanopia

54.4844, 0.3159, 0.3290

Deuteranopia

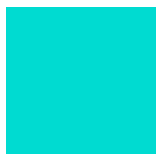
54.1904, 0.3046, 0.2974



Tritanopia

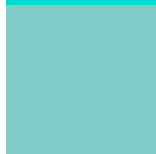
55.1124, 0.2223, 0.3046

Trichromacy



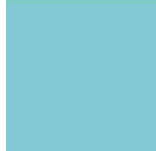
Original Color

55.2665, 0.2286, 0.3429



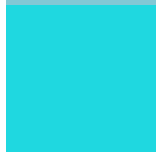
Protanomaly

51.2710, 0.2626, 0.3343



Deuteranomaly

50.8585, 0.2564, 0.3115



Tritanomaly

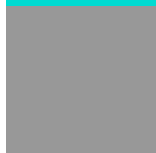
54.7849, 0.2237, 0.3177

Monochromacy



Original Color

55.2665, 0.2286, 0.3429



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.6092, 0.2551, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2665, 0.2286, 0.3429 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 209) }
```

Border

The CSS property to change the border of an element to Yxy 55.2665, 0.2286, 0.3429 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, 209) }
```

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

```
.border{ border-color:rgb(0, 219, 209) }
```

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, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2665, 0.2286, 0.3429 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, 209) }
```

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

```
.background{ background-color: rgb(0, 219,  
209) }
```

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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