

Converting Colors

$Y_{xy}(55.3811, 0.2334, 0.3601)$

Have a look what the booklet for
Yxy(55.3811, 0.2334, 0.3601)
contains.

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Color

Yxy(55.2701, 0.2336, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	02DCC6
RGB	2, 220, 198
RGB Percent	1%, 86%, 78%
CMY	0.9929, 0.1373, 0.2236
CMYK	0.99, 0.00, 0.10, 0.14
HSL	174°, 98%, 43%
HSV	174°, 99%, 86%
XYZ	35.8045, 55.2701, 62.1980
YIQ	152.3100, -122.8660, -53.0580

Conversions

Conversions Part 2

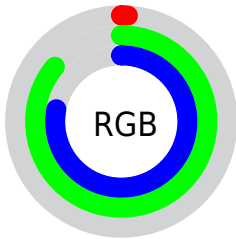
Format	Color
RYB	2, 117, 220
Decimal	187590
CIELab	79.20, -49.22, -1.81
CIELCh	79, 49.256, 182.111
Yxy	55.2701, 0.2336, 0.3606
Android (android.graphics.Color)	4278377670 (0xFF02DCC6)
YUV	152.3100, 22.5252, -131.8219
Hunter-Lab	74.3439, -44.1350, 2.4371

Details

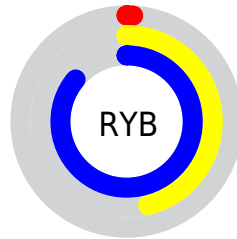
The Yxy color **55.2701, 0.2336, 0.3606** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.3193, 0.6283, 0.3241**, and the grayscale version is **31.4525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **28.5645, 0.2353, 0.3671** is the 20% darker color. If you saturate the color by 10%, you get **55.2521, 0.2336, 0.3609**, and if you desaturate by 10%, it is **55.5555, 0.2341, 0.3572**.

Distribution



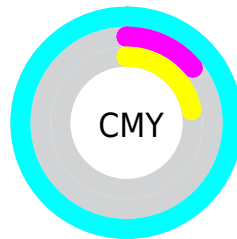
- Red (1%)
- Green (86%)
- Blue (78%)



- Red (1%)
- Yellow (46%)
- Blue (86%)



- Cyan (99%)
- Magenta (0%)
- Yellow (10%)
- Black (14%)





- Cyan (99%)
- Magenta (14%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.2701, 0.2336, 0.3606 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 55.2701, 0.2336, 0.3606 by changing the saturation by 10% instead.


 55.2701, 0.2336,
0.3606

 55.2701, 0.2336,
0.3606

406.9350, 0.2715,
0.3457


 39.6180, 0.2247,
0.3640

 97.9366, 0.2470,
0.3554


 27.2408, 0.2136,
0.3683


 125.7198, 0.2521,
0.3534


 17.7542, 0.1993,
0.3737


 158.3154, 0.2565,
0.3516

 10.7736, 0.1805,
0.3807

 196.1080, 0.2603,
0.3501

 5.9148, 0.1548,
0.3901

 239.4818, 0.2636,
0.3488

 2.7934, 0.1180,
0.4028

288.8213, 0.2665,

 1.0248, 0.0000,

0.3477

0.4482

344.5109, 0.2691,
0.3466

■ 0.0000, 0.0000,
0.0000

■ 55.2701, 0.2336,
0.3606

■ 55.2701, 0.2336,
0.3606

■ 55.2521, 0.2336,
0.3609

■ 55.5555, 0.2341,
0.3572

■ 56.0447, 0.2362,
0.3537

■ 56.7965, 0.2401,
0.3502

■ 57.8462, 0.2460,
0.3467

■ 59.2234, 0.2537,
0.3433

■ 60.9545, 0.2633,
0.3401

■ 63.0629, 0.2743,
0.3369

■ 65.5701, 0.2866,
0.3340

■ 68.4960, 0.2999,
0.3313

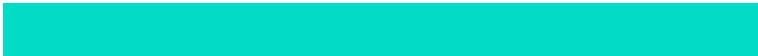
Harmonies

Analogous

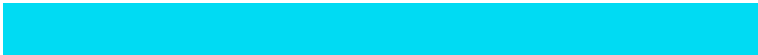
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.2701, 0.2864, 0.4218



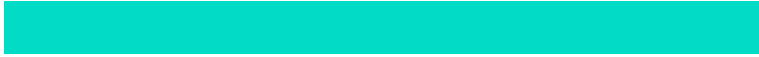
55.2701, 0.2336, 0.3606



55.2701, 0.2035, 0.2953

Triad

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



55.2701, 0.2336, 0.3606



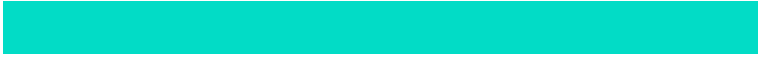
55.2701, 0.2666, 0.2330



55.2701, 0.4388, 0.3919

Complementary

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



55.2701, 0.2336, 0.3606



15.3193, 0.6283, 0.3241

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.



55.2701, 0.4356, 0.3428



55.2701, 0.2336, 0.3606



55.2701, 0.3297, 0.2563

Square

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



55.2701, 0.2336, 0.3606



55.2701, 0.2212, 0.2296



55.2701, 0.3941, 0.2951



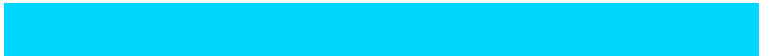
55.2701, 0.4058, 0.4326

Rectangle

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



55.2701, 0.2336, 0.3606



55.2701, 0.1980, 0.2621



55.2701, 0.3941, 0.2951



55.2701, 0.4422, 0.3759

Sweetspot

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



55.2722, 0.2336, 0.3606



87.7771, 0.2731, 0.3373



51.4245, 0.3027, 0.5973



18.5110, 0.2682, 0.3386



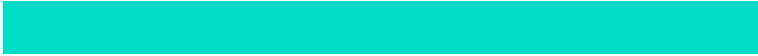
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



55.2722, 0.2336, 0.3606



77.1927, 0.2337, 0.3612



22.8877, 0.1884, 0.1979



14.8057, 0.2996, 0.3314



32.4380, 0.2334, 0.3604



2.1082, 0.2319, 0.3547

Inverse Universe

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



15.3193, 0.6283, 0.3241



21.3333, 0.6310, 0.3249



21.7864, 0.5743, 0.3814



13.0728, 0.3276, 0.3267



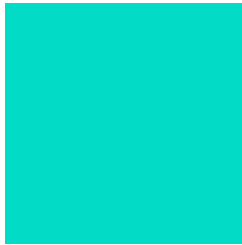
8.9719, 0.6277, 0.3232



0.5887, 0.5970, 0.3062

Previews

White Background



This preview shows how the Yxy color 55.2701, 0.2336, 0.3606 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 55.2701, 0.2336, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

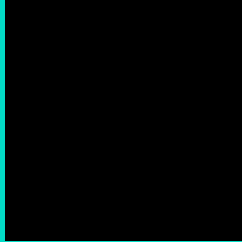
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

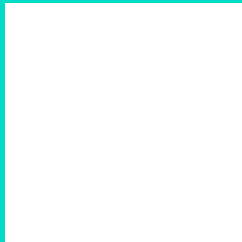
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.2701, 0.2336, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 55.2701, 0.2336, 0.3606.

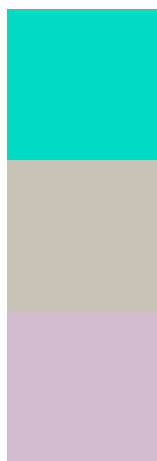


This preview shows how white text looks on a background with the Yxy color 55.2701, 0.2336, 0.3606.

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

55.2765, 0.2336, 0.3606

Protanopia

54.4200, 0.3268, 0.3425

Deuteranopia

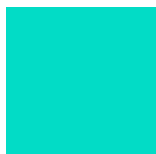
54.3583, 0.3169, 0.3103



Tritanopia

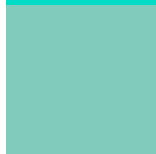
55.2678, 0.2242, 0.3060

Trichromacy



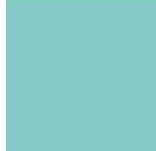
Original Color

55.2765, 0.2336, 0.3606



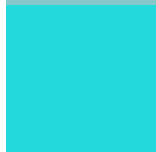
Protanomaly

51.0098, 0.2708, 0.3498



Deuteranomaly

50.6412, 0.2650, 0.3261



Tritanomaly

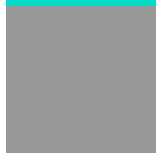
55.1681, 0.2263, 0.3246

Monochromacy



Original Color

55.2765, 0.2336, 0.3606



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.8502, 0.2579, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2701, 0.2336, 0.3606 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(2, 220, 198)` looks like.

```
.text, #text, p{  
    color:rgb(2, 220, 198)  
}
```

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(2, 220, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 220, 198) }
```

Border

The CSS property to change the border of an element to Yxy 55.2701, 0.2336, 0.3606 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(2, 220, 198) }
```

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

```
.border{ border-color:rgb(2, 220, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 220, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 220, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 220, 198);  
box-shadow:4px 4px 4px 4px rgb(2, 220,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2701, 0.2336, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 220, 198) }
```

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

```
.background{ background-color: rgb(2, 220,  
198) }
```

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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