

Converting Colors

$Yxy(55.6428, 0.2324, 0.3567)$

Have a look what the booklet for
Yxy(55.6428, 0.2324, 0.3567)
contains.

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Color

Yxy(55.4034, 0.2323, 0.3561)

Conversions

Conversions Part 1

Format	Color
Hex	01DCC9
RGB	1, 220, 201
RGB Percent	0%, 86%, 79%
CMY	0.9966, 0.1373, 0.2118
CMYK	1.00, 0.00, 0.09, 0.14
HSL	175°, 99%, 43%
HSV	175°, 100%, 86%
XYZ	36.1421, 55.4034, 64.0383
YIQ	152.3530, -124.4250, -52.3370

Conversions

Conversions Part 2

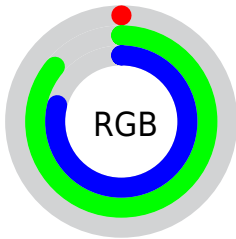
Format	Color
RYB	1, 115, 220
Decimal	122057
CIELab	79.27, -48.42, -3.30
CIELCh	79, 48.533, 183.903
Yxy	55.4034, 0.2323, 0.3561
Android (android.graphics.Color)	4278312137 (0xFF01DCC9)
YUV	152.3530, 23.9830, -132.7366
Hunter-Lab	74.4335, -43.5856, 1.0937

Details

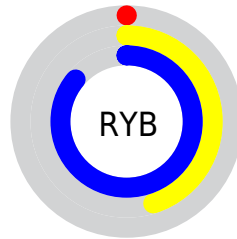
The Yxy color **55.4034, 0.2323, 0.3561** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.2838, 0.6311, 0.3254**, and the grayscale version is **31.4750, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **28.6575, 0.2337, 0.3611** is the 20% darker color. If you saturate the color by 10%, you get **55.3963, 0.2323, 0.3562**, and if you desaturate by 10%, it is **55.6709, 0.2329, 0.3532**.

Distribution



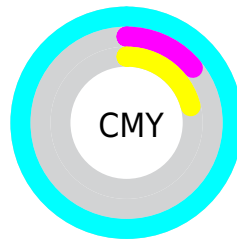
- Red (0%)
- Green (86%)
- Blue (79%)



- Red (0%)
- Yellow (45%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.4034, 0.2323, 0.3561 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 55.4034, 0.2323, 0.3561 by changing the saturation by 10% instead.

 55.4034, 0.2323,
0.3561

 55.4034, 0.2323,
0.3561


407.4393, 0.2707,
0.3435

 39.7248, 0.2233,
0.3589


 98.1317, 0.2458,
0.3518


 27.3240, 0.2121,
0.3624


 125.9503, 0.2510,
0.3501


 17.8167, 0.1978,
0.3667


 158.5842, 0.2555,
0.3486

 10.8185, 0.1789,
0.3722

 196.4180, 0.2593,
0.3473

 5.9449, 0.1532,
0.3792

 239.8360, 0.2627,
0.3462

 2.8116, 0.1168,
0.3881

289.2226, 0.2657,

 1.0342, 0.0000,

0.3452

0.4245

344.9622, 0.2683,
0.3443

0.0000, 0.0000,
0.0000

55.4034, 0.2323,
0.3561

55.4034, 0.2323,
0.3561

55.3963, 0.2323,
0.3562

55.6709, 0.2329,
0.3532

56.1367, 0.2350,
0.3502

56.8632, 0.2389,
0.3473

57.8856, 0.2448,
0.3443

59.2342, 0.2526,
0.3414

■ 60.9351, 0.2622,
0.3386

■ 63.0119, 0.2733,
0.3359

■ 65.4863, 0.2857,
0.3334

■ 68.3782, 0.2991,
0.3311

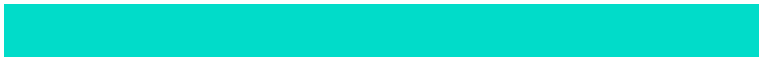
Harmonies

Analogous

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



55.4034, 0.2833, 0.4174



55.4034, 0.2323, 0.3561



55.4034, 0.2040, 0.2926

Triad

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



55.4034, 0.2323, 0.3561



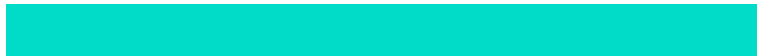
55.4034, 0.2706, 0.2351



55.4034, 0.4359, 0.3940

Complementary

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



55.4034, 0.2323, 0.3561



15.2838, 0.6311, 0.3254

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.



55.4034, 0.4350, 0.3457



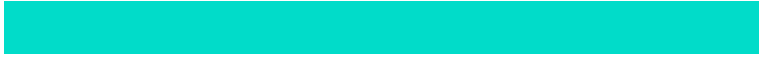
55.4034, 0.2323, 0.3561



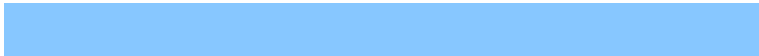
55.4034, 0.3335, 0.2592

Square

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



55.4034, 0.2323, 0.3561



55.4034, 0.2245, 0.2306



55.4034, 0.3961, 0.2983



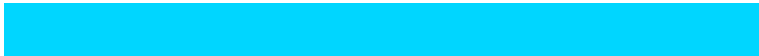
55.4034, 0.4017, 0.4330

Rectangle

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



55.4034, 0.2323, 0.3561



55.4034, 0.1996, 0.2607



55.4034, 0.3961, 0.2983



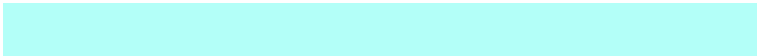
55.4034, 0.4400, 0.3783

Sweetspot

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



55.4055, 0.2323, 0.3561



87.8442, 0.2725, 0.3361



51.3650, 0.3021, 0.5981



18.5273, 0.2677, 0.3372



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.



55.4055, 0.2323, 0.3561



77.3963, 0.2324, 0.3565



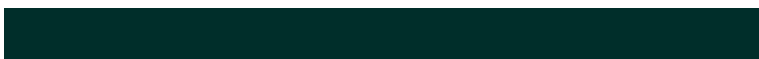
21.7693, 0.1866, 0.1913



14.8091, 0.2994, 0.3310



32.5218, 0.2322, 0.3558



2.1128, 0.2308, 0.3510

Inverse Universe

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



15.2838, 0.6311, 0.3254



21.3184, 0.6328, 0.3260



22.2823, 0.5707, 0.3847



13.0698, 0.3278, 0.3270



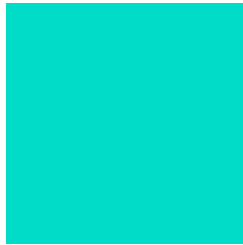
8.9645, 0.6298, 0.3243



0.5872, 0.6025, 0.3093

Previews

White Background



This preview shows how the Yxy color 55.4034, 0.2323, 0.3561 looks on a white background.

Color Contrast Check

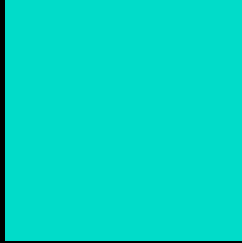
Large Text (above 18pt) WCAG AA × Fail

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 55.4034, 0.2323, 0.3561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

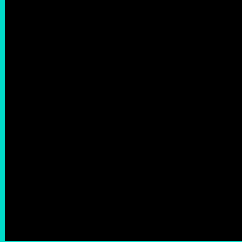
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.4034, 0.2323, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 55.4034, 0.2323, 0.3561.

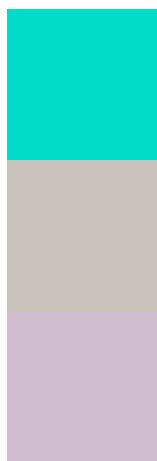


This preview shows how white text looks on a background with the Yxy color 55.4034, 0.2323, 0.3561.

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

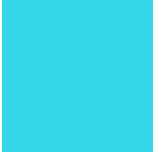
55.4099, 0.2323, 0.3561

Protanopia

54.4081, 0.3236, 0.3388

Deuteranopia

54.3592, 0.3138, 0.3068



Tritanopia

55.2683, 0.2234, 0.3046

Trichromacy



Original Color

55.4099, 0.2323, 0.3561



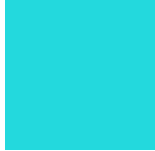
Protanomaly

51.0627, 0.2684, 0.3455



Deuteranomaly

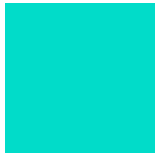
50.7029, 0.2627, 0.3221



Tritanomaly

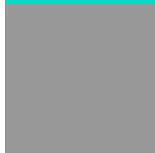
55.2035, 0.2258, 0.3232

Monochromacy



Original Color

55.4099, 0.2323, 0.3561



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.8879, 0.2573, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.4034, 0.2323, 0.3561 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(1, 220, 201)` looks like.

```
.text, #text, p{  
    color:rgb(1, 220, 201)  
}
```

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(1, 220, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 220, 201) }
```

Border

The CSS property to change the border of an element to Yxy 55.4034, 0.2323, 0.3561 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(1, 220, 201) }
```

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

```
.border{ border-color:rgb(1, 220, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 220, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 220, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 220, 201);  
box-shadow:4px 4px 4px 4px rgb(1, 220,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 55.4034, 0.2323, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 220, 201) }
```

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

```
.background{ background-color: rgb(1, 220,  
201) }
```

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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