

Converting Colors

$Y_{xy}(54.9805, 0.2254, 0.3619)$

Have a look what the booklet for
Yxy(54.9805, 0.2254, 0.3619)
contains.

Yxy(55.8364, 0.2335, 0.3605)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(55.8364, 0.2335, 0.3605)

Conversions

Conversions Part 1

Format	Color
Hex	00DDC7
RGB	0, 221, 199
RGB Percent	0%, 87%, 78%
CMY	0.9982, 0.1333, 0.2197
CMYK	1.00, 0.00, 0.10, 0.13
HSL	174°, 100%, 43%
HSV	174°, 100%, 87%
XYZ	36.1659, 55.8364, 62.8837
YIQ	152.4130, -124.6540, -53.6940

Conversions

Conversions Part 2

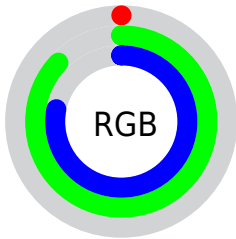
Format	Color
RYB	0, 116, 221
Decimal	56775
CIELab	79.52, -49.41, -1.86
CIELCh	80, 49.444, 182.160
Yxy	55.8364, 0.2335, 0.3605
Android (android.graphics.Color)	4278246855 (0xFF00DDC7)
YUV	152.4130, 22.9674, -133.6662
Hunter-Lab	74.7238, -44.3736, 2.4112

Details

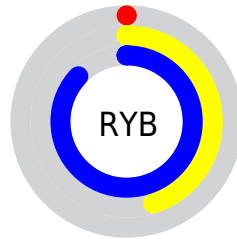
The Yxy color **55.8364, 0.2335, 0.3605** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.4419, 0.6297, 0.3244**, and the grayscale version is **31.5861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **28.9546, 0.2353, 0.3669** is the 20% darker color. If you saturate the color by 10%, you get **55.8335, 0.2335, 0.3606**, and if you desaturate by 10%, it is **56.1158, 0.2340, 0.3571**.

Distribution



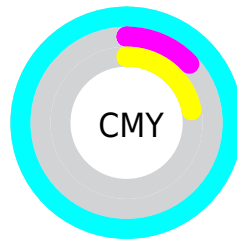
- Red (0%)
- Green (87%)
- Blue (78%)



- Red (0%)
- Yellow (45%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8364, 0.2335, 0.3605 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 55.8364, 0.2335, 0.3605 by changing the saturation by 10% instead.


 55.8364, 0.2335,
0.3605


 55.8364, 0.2335,
0.3605


409.0747, 0.2713,
0.3457

 40.0718, 0.2246,
0.3639


 98.7653, 0.2468,
0.3553


 27.5945, 0.2135,
0.3681


 126.6984, 0.2520,
0.3533


 18.0202, 0.1994,
0.3735


 159.4565, 0.2564,
0.3516

 10.9645, 0.1807,
0.3804

 197.4239, 0.2602,
0.3501

 6.0430, 0.1551,
0.3897

 240.9850, 0.2635,
0.3488

 2.8712, 0.1188,
0.4022

290.5242, 0.2664,

 1.0649, 0.0000,

0.3476

0.4478

346.4260, 0.2690,
0.3466

■ 0.0000, 0.0000,
0.0000

■ 55.8364, 0.2335,
0.3605

■ 55.8364, 0.2335,
0.3605

■ 55.8335, 0.2335,
0.3606

■ 56.1158, 0.2340,
0.3571

■ 56.5937, 0.2359,
0.3537

■ 57.3344, 0.2397,
0.3502

■ 58.3742, 0.2455,
0.3468

■ 59.7433, 0.2531,
0.3434

■ 61.4685, 0.2626,
0.3401

■ 63.5736, 0.2735,
0.3370

■ 66.0806, 0.2858,
0.3341

■ 69.0096, 0.2990,
0.3314

Harmonies

Analogous

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



55.8364, 0.2863, 0.4218



55.8364, 0.2335, 0.3605



55.8364, 0.2034, 0.2952

Triad

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



55.8364, 0.2335, 0.3605



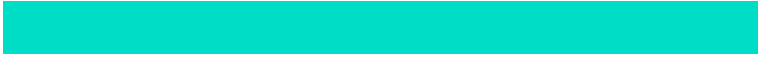
55.8364, 0.2667, 0.2330



55.8364, 0.4389, 0.3920

Complementary

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



55.8364, 0.2335, 0.3605



15.4419, 0.6297, 0.3244

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.



55.8364, 0.4357, 0.3429



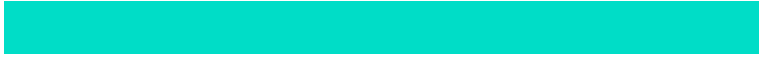
55.8364, 0.2335, 0.3605



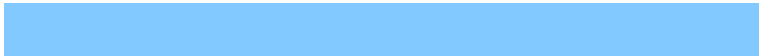
55.8364, 0.3298, 0.2564

Square

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



55.8364, 0.2335, 0.3605



55.8364, 0.2212, 0.2296



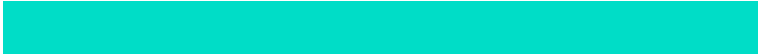
55.8364, 0.3942, 0.2952



55.8364, 0.4057, 0.4327

Rectangle

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



55.8364, 0.2335, 0.3605



55.8364, 0.1979, 0.2620



55.8364, 0.3942, 0.2952



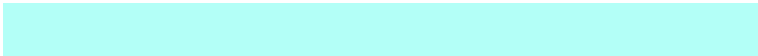
55.8364, 0.4423, 0.3760

Sweetspot

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



55.8385, 0.2335, 0.3605



87.7817, 0.2730, 0.3372



51.8909, 0.3021, 0.5982



18.5121, 0.2682, 0.3385



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.



55.8385, 0.2335, 0.3605



77.2065, 0.2336, 0.3608



21.9384, 0.1864, 0.1910



14.8060, 0.2995, 0.3313



32.4437, 0.2334, 0.3600



2.1085, 0.2318, 0.3545

Inverse Universe

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



15.4419, 0.6297, 0.3244



21.3323, 0.6311, 0.3250



22.4632, 0.5712, 0.3845



13.0726, 0.3276, 0.3267



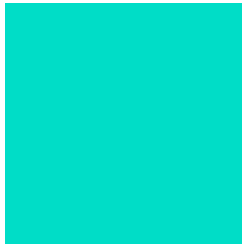
8.9714, 0.6279, 0.3232



0.5886, 0.5973, 0.3064

Previews

White Background



This preview shows how the Yxy color 55.8364, 0.2335, 0.3605 looks on a white background.

Color Contrast Check

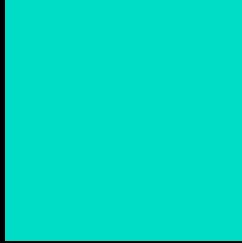
Large Text (above 18pt) WCAG AA × Fail

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 55.8364, 0.2335, 0.3605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

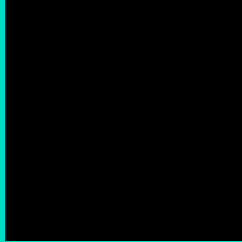
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

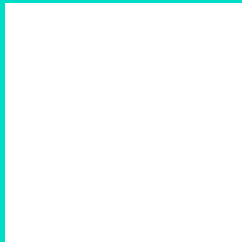
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8364, 0.2335, 0.3605

Background



This preview shows how black text looks on a background with the Yxy color 55.8364, 0.2335, 0.3605.

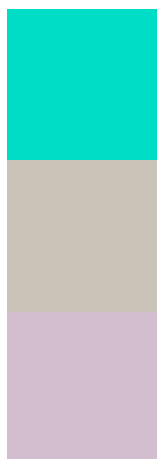


This preview shows how white text looks on a background with the Yxy color 55.8364, 0.2335, 0.3605.

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

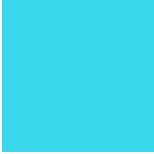
55.8364, 0.2335, 0.3605

Protanopia

55.0475, 0.3267, 0.3424

Deuteranopia

54.9848, 0.3168, 0.3104



Tritanopia

55.8930, 0.2238, 0.3048

Trichromacy



Original Color

55.8364, 0.2335, 0.3605



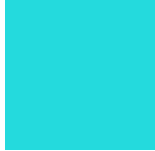
Protanomaly

51.5270, 0.2703, 0.3497



Deuteranomaly

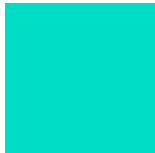
51.1534, 0.2646, 0.3262



Tritanomaly

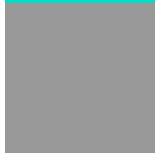
55.7383, 0.2263, 0.3246

Monochromacy



Original Color

55.8364, 0.2335, 0.3605



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

37.3397, 0.2581, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8364, 0.2335, 0.3605 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, 221, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 221, 199)  
}
```

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, 221, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 221, 199) }
```

Border

The CSS property to change the border of an element to Yxy 55.8364, 0.2335, 0.3605 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, 221, 199) }
```

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

```
.border{ border-color:rgb(0, 221, 199) }
```

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

Here you see how a box with a 4 pixel rgb(0, 221, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 221, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 221, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 221,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8364, 0.2335, 0.3605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 221, 199) }
```

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

```
.background{ background-color: rgb(0, 221,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor