

Converting Colors

$Y_{xy}(56.5397, 0.2316, 0.3536)$

Have a look what the booklet for
Yxy(56.5397, 0.2316, 0.3536)
contains.

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Color

Yxy(56.6086, 0.2318, 0.3544)

Conversions

Conversions Part 1

Format	Color
Hex	00DECC
RGB	0, 222, 204
RGB Percent	0%, 87%, 80%
CMY	0.9986, 0.1294, 0.2000
CMYK	1.00, 0.00, 0.08, 0.13
HSL	175°, 100%, 44%
HSV	175°, 100%, 87%
XYZ	37.0256, 56.6086, 66.0966
YIQ	153.5700, -126.5340, -52.6620

Conversions

Conversions Part 2

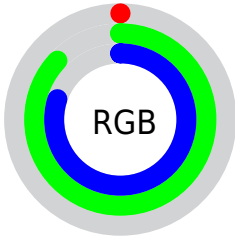
Format	Color
RYB	0, 116, 222
Decimal	57036
CIELab	79.96, -48.45, -3.90
CIELCh	80, 48.606, 184.599
Yxy	56.6086, 0.2318, 0.3544
Android (android.graphics.Color)	4278247116 (0xFF00DECC)
YUV	153.5700, 24.8620, -134.6809
Hunter-Lab	75.2387, -43.8263, 0.5813

Details

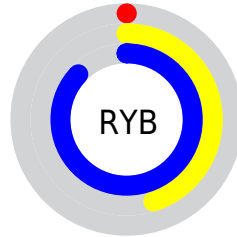
The Yxy color **56.6086, 0.2318, 0.3544** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.5841, 0.6323, 0.3258**, and the grayscale version is **32.0987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **29.4744, 0.2330, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **56.6071, 0.2318, 0.3544**, and if you desaturate by 10%, it is **56.8725, 0.2324, 0.3517**.

Distribution



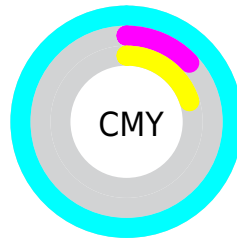
- Red (0%)
- Green (87%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.6086, 0.2318, 0.3544 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 56.6086, 0.2318, 0.3544 by changing the saturation by 10% instead.

 56.6086, 0.2318,
0.3544

 56.6086, 0.2318,
0.3544


411.9811, 0.2702,
0.3428

 40.6911, 0.2228,
0.3570

 99.8939, 0.2453,
0.3504

 28.0778, 0.2117,
0.3601


 128.0304, 0.2505,
0.3489


 18.3843, 0.1975,
0.3640


 161.0087, 0.2550,
0.3475

 11.2262, 0.1789,
0.3688

 199.2132, 0.2588,
0.3463

 6.2192, 0.1536,
0.3749

 243.0283, 0.2622,
0.3453

 2.9788, 0.1180,
0.3822

292.8384, 0.2652,

 1.1207, 0.0000,

0.3443

0.4169

349.0278, 0.2678,
0.3435

■ 0.0000, 0.0000,
0.0000

■ 56.6086, 0.2318,
0.3544

■ 56.6086, 0.2318,
0.3544

■ 56.6071, 0.2318,
0.3544

■ 56.8725, 0.2324,
0.3517

■ 57.3360, 0.2345,
0.3489

■ 58.0645, 0.2384,
0.3461

■ 59.0945, 0.2443,
0.3434

■ 60.4569, 0.2521,
0.3407

■ 62.1784, 0.2617,
0.3380

■ 64.2835, 0.2728,
0.3355

■ 66.7941, 0.2852,
0.3332

■ 69.7307, 0.2987,
0.3310

Harmonies

Analogous

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



56.6086, 0.2822, 0.4157



56.6086, 0.2318, 0.3544



56.6086, 0.2042, 0.2915

Triad

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



56.6086, 0.2318, 0.3544



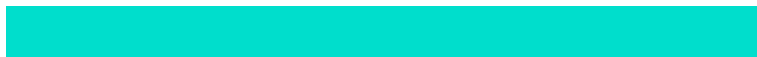
56.6086, 0.2722, 0.2359



56.6086, 0.4348, 0.3948

Complementary

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



56.6086, 0.2318, 0.3544



15.5841, 0.6323, 0.3258

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.



56.6086, 0.4348, 0.3468



56.6086, 0.2318, 0.3544



56.6086, 0.3349, 0.2604

Square

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



56.6086, 0.2318, 0.3544



56.6086, 0.2257, 0.2309



56.6086, 0.3969, 0.2995



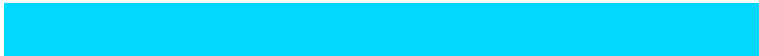
56.6086, 0.4001, 0.4331

Rectangle

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



56.6086, 0.2318, 0.3544



56.6086, 0.2002, 0.2602



56.6086, 0.3969, 0.2995



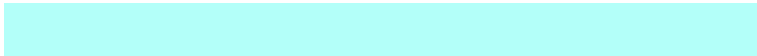
56.6086, 0.4392, 0.3792

Sweetspot

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



56.6107, 0.2318, 0.3544



87.8701, 0.2723, 0.3356



52.3866, 0.3016, 0.5986



18.5336, 0.2674, 0.3367



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.



56.6107, 0.2318, 0.3544



77.4761, 0.2319, 0.3547



21.1501, 0.1847, 0.1849



15.5521, 0.2993, 0.3309



33.6272, 0.2317, 0.3540



2.3366, 0.2305, 0.3498

Inverse Universe

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



15.5841, 0.6323, 0.3258



21.3131, 0.6334, 0.3263



23.3102, 0.5666, 0.3882



13.7185, 0.3279, 0.3271



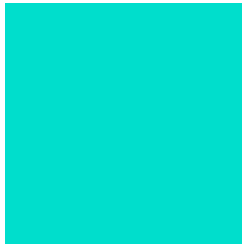
9.2568, 0.6308, 0.3248



0.6480, 0.6062, 0.3113

Previews

White Background



This preview shows how the Yxy color 56.6086, 0.2318, 0.3544 looks on a white background.

Color Contrast Check

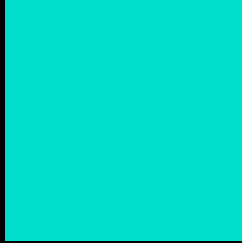
Large Text (above 18pt) WCAG AA × Fail

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 56.6086, 0.2318, 0.3544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

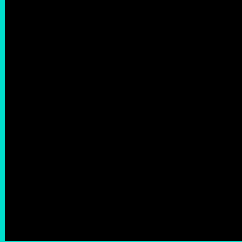
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

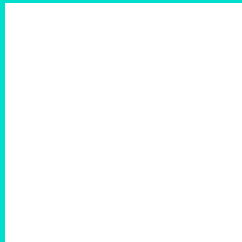
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.6086, 0.2318, 0.3544

Background



This preview shows how black text looks on a background with the Yxy color 56.6086, 0.2318, 0.3544.

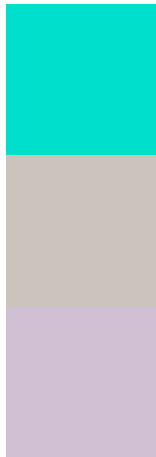


This preview shows how white text looks on a background with the Yxy color 56.6086, 0.2318, 0.3544.

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

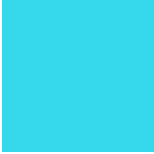
56.6022, 0.2318, 0.3544

Protanopia

55.7105, 0.3228, 0.3375

Deuteranopia

55.5201, 0.3122, 0.3058



Tritanopia

56.4081, 0.2233, 0.3048

Trichromacy



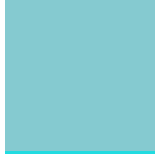
Original Color

56.6022, 0.2318, 0.3544



Protanomaly

52.2248, 0.2676, 0.3440



Deuteranomaly

51.7817, 0.2613, 0.3208



Tritanomaly

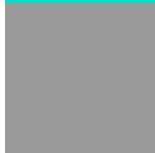
56.3849, 0.2252, 0.3219

Monochromacy



Original Color

56.6022, 0.2318, 0.3544



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.8154, 0.2571, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.6086, 0.2318, 0.3544 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, 222, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 204)  
}
```

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, 222, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 204) }
```

Border

The CSS property to change the border of an element to Yxy 56.6086, 0.2318, 0.3544 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, 222, 204) }
```

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

```
.border{ border-color:rgb(0, 222, 204) }
```

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

Here you see how a box with a 4 pixel rgb(0, 222, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 56.6086, 0.2318, 0.3544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 204) }
```

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

```
.background{ background-color: rgb(0, 222,  
204) }
```

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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