

Converting Colors

$Y_{xy}(56.3453, 0.2255, 0.3425)$

Have a look what the booklet for
Yxy(56.3453, 0.2255, 0.3425)
contains.

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Color

Yxy(56.9960, 0.2286, 0.3428)

Conversions

Conversions Part 1

Format	Color
Hex	01DED4
RGB	1, 222, 212
RGB Percent	0%, 87%, 83%
CMY	0.9968, 0.1294, 0.1688
CMYK	1.00, 0.00, 0.05, 0.13
HSL	177°, 99%, 44%
HSV	177°, 100%, 87%
XYZ	38.0084, 56.9960, 71.2616
YIQ	154.7810, -128.5060, -49.9620

Conversions

Conversions Part 2

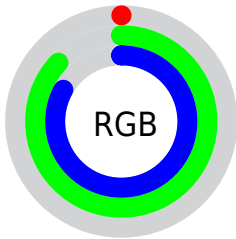
Format	Color
RYB	1, 114, 222
Decimal	122580
CIELab	80.18, -46.19, -7.82
CIELCh	80, 46.846, 189.612
Yxy	56.9960, 0.2286, 0.3428
Android (android.graphics.Color)	4278312660 (0xFF01DED4)
YUV	154.7810, 28.2090, -134.8659
Hunter-Lab	75.4957, -42.2514, -3.1178

Details

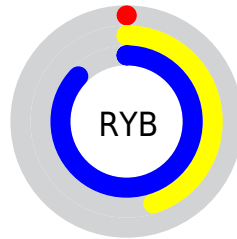
The Yxy color **56.9960, 0.2286, 0.3428** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.5707, 0.6358, 0.3279**, and the grayscale version is **32.5639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **29.7411, 0.2287, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **56.9910, 0.2286, 0.3429**, and if you desaturate by 10%, it is **57.2262, 0.2295, 0.3413**.

Distribution



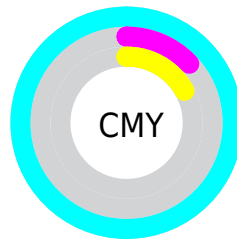
- Red (0%)
- Green (87%)
- Blue (83%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.9960, 0.2286, 0.3428 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 56.9960, 0.2286, 0.3428 by changing the saturation by 10% instead.

 56.9960, 0.2286,
0.3428

 56.9960, 0.2286,
0.3428


413.4343, 0.2682,
0.3372


 41.0020, 0.2194,
0.3439


 100.4594, 0.2425,
0.3410


 28.3207, 0.2081,
0.3450


 128.6975, 0.2478,
0.3403


 18.5675, 0.1937,
0.3463


 161.7859, 0.2524,
0.3396

 11.3582, 0.1750,
0.3474

 200.1088, 0.2564,
0.3390

 6.3083, 0.1498,
0.3481

 244.0507, 0.2599,
0.3385

 3.0334, 0.1149,
0.3468

293.9960, 0.2630,

 1.1492, 0.0000,

0.3380

350.3291, 0.2658,
0.3376

0.3625

0.0196, 0.0000,
0.0334

0.0000, 0.0000,
0.0000

56.9960, 0.2286,
0.3428

56.9960, 0.2286,
0.3428

56.9910, 0.2286,
0.3429

57.2262, 0.2295,
0.3413

57.6579, 0.2319,
0.3398

58.3548, 0.2361,
0.3383

59.3531, 0.2423,
0.3368

■ 60.6835, 0.2504,
0.3353

■ 62.3730, 0.2602,
0.3339

■ 64.4457, 0.2717,
0.3325

■ 66.9236, 0.2846,
0.3313

■ 69.8271, 0.2985,
0.3301

Harmonies

Analogous

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



56.9960, 0.2742, 0.4037



56.9960, 0.2286, 0.3428



56.9960, 0.2059, 0.2847

Triad

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



56.9960, 0.2286, 0.3428



56.9960, 0.2831, 0.2417



56.9960, 0.4269, 0.4000

Complementary

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



56.9960, 0.2286, 0.3428



15.5707, 0.6358, 0.3279

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.



56.9960, 0.4328, 0.3545



56.9960, 0.2286, 0.3428



56.9960, 0.3448, 0.2682

Square

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



56.9960, 0.2286, 0.3428



56.9960, 0.2348, 0.2336



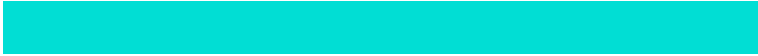
56.9960, 0.4019, 0.3080



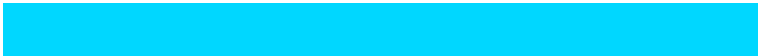
56.9960, 0.3892, 0.4335

Rectangle

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



56.9960, 0.2286, 0.3428



56.9960, 0.2047, 0.2570



56.9960, 0.4019, 0.3080



56.9960, 0.4329, 0.3855

Sweetspot

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



56.9981, 0.2286, 0.3428



88.0428, 0.2710, 0.3326



52.3202, 0.3009, 0.5991



18.5756, 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.



56.9981, 0.2286, 0.3428



78.0173, 0.2286, 0.3430



19.3128, 0.1816, 0.1735



15.5611, 0.2988, 0.3300



33.8571, 0.2285, 0.3426



2.3502, 0.2279, 0.3403

Inverse Universe

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



15.5707, 0.6358, 0.3279



21.2855, 0.6369, 0.3282



24.7122, 0.5564, 0.3961



13.7106, 0.3285, 0.3280



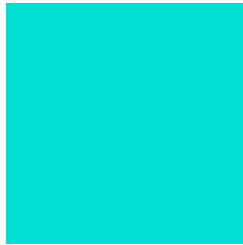
9.2418, 0.6350, 0.3272



0.6442, 0.6206, 0.3192

Previews

White Background



This preview shows how the Yxy color 56.9960, 0.2286, 0.3428 looks on a white background.

Color Contrast Check

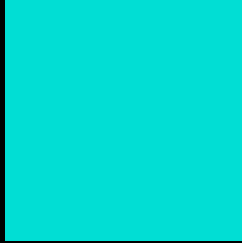
Large Text (above 18pt) WCAG AA × Fail

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 56.9960, 0.2286, 0.3428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

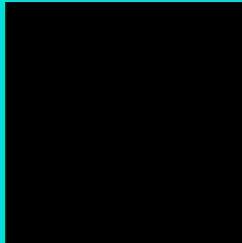
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

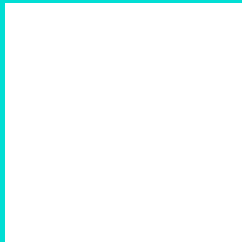
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.9960, 0.2286, 0.3428

Background



This preview shows how black text looks on a background with the Yxy color 56.9960, 0.2286, 0.3428.

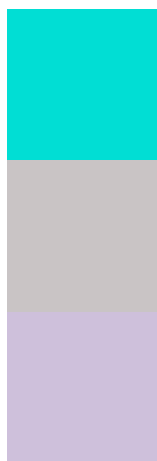


This preview shows how white text looks on a background with the Yxy color 56.9960, 0.2286, 0.3428.

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

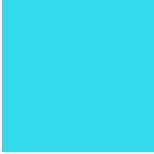
57.0025, 0.2286, 0.3428

Protanopia

55.9286, 0.3160, 0.3278

Deuteranopia

55.9356, 0.3039, 0.2978



Tritanopia

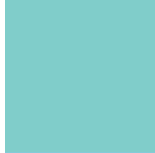
56.8519, 0.2224, 0.3049

Trichromacy



Original Color

57.0025, 0.2286, 0.3428



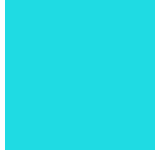
Protanomaly

52.5161, 0.2624, 0.3329



Deuteranomaly

52.4950, 0.2560, 0.3117



Tritanomaly

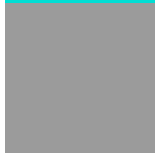
56.5004, 0.2237, 0.3179

Monochromacy



Original Color

57.0025, 0.2286, 0.3428



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

38.0274, 0.2553, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9960, 0.2286, 0.3428 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, 222, 212)` looks like.

```
.text, #text, p{  
    color:rgb(1, 222, 212)  
}
```

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, 222, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 222, 212) }
```

Border

The CSS property to change the border of an element to Yxy 56.9960, 0.2286, 0.3428 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, 222, 212) }
```

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

```
.border{ border-color:rgb(1, 222, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 222, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 222, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 222, 212);  
box-shadow:4px 4px 4px 4px rgb(1, 222,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9960, 0.2286, 0.3428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 222, 212) }
```

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

```
.background{ background-color: rgb(1, 222,  
212) }
```

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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