

Converting Colors

$Y_{xy}(56.5789, 0.2240, 0.3265)$

Have a look what the booklet for
Yxy(56.5789, 0.2240, 0.3265)
contains.

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Color

Yxy(56.4603, 0.2239, 0.3260)

Conversions

Conversions Part 1

Format	Color
Hex	00DCDE
RGB	0, 220, 222
RGB Percent	0%, 86%, 87%
CMY	0.9995, 0.1372, 0.1295
CMYK	1.00, 0.01, 0.00, 0.13
HSL	181°, 100%, 44%
HSV	181°, 100%, 87%
XYZ	38.7775, 56.4603, 77.9533
YIQ	154.4480, -131.7620, -46.0180

Conversions

Conversions Part 2

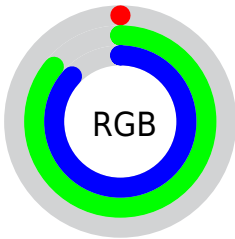
Format	Color
RYB	0, 110, 222
Decimal	56542
CIELab	79.88, -42.42, -13.62
CIELCh	80, 44.549, 197.797
Yxy	56.4603, 0.2239, 0.3260
Android (android.graphics.Color)	4278246622 (0xFF00DCDE)
YUV	154.4480, 33.3031, -135.4509
Hunter-Lab	75.1401, -39.3767, -8.9118

Details

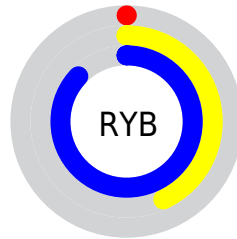
The Yxy color **56.4603, 0.2239, 0.3260** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.5743, 0.6395, 0.3304**, and the grayscale version is **32.4348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **29.3409, 0.2232, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **56.4609, 0.2239, 0.3260**, and if you desaturate by 10%, it is **56.7403, 0.2252, 0.3263**.

Distribution



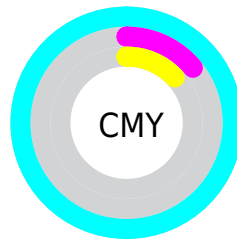
- Red (0%)
- Green (86%)
- Blue (87%)



- Red (0%)
- Yellow (43%)
- Blue (87%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (13%)




- Cyan (100%)
- Magenta (14%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.4603, 0.2239, 0.3260 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 56.4603, 0.2239, 0.3260 by changing the saturation by 10% instead.


 56.4603, 0.2239,
0.3260

 56.4603, 0.2239,
0.3260


411.4239, 0.2655,
0.3288


 40.5721, 0.2144,
0.3249


 99.6773, 0.2384,
0.3273


 27.9849, 0.2026,
0.3234


 127.7748, 0.2440,
0.3277


 18.3143, 0.1878,
0.3211

 160.7109, 0.2488,
0.3280

 11.1758, 0.1687,
0.3174

 198.8700, 0.2530,
0.3283

 6.1852, 0.1433,
0.3111

 242.6365, 0.2567,
0.3285

 2.9580, 0.1087,
0.2993

292.3947, 0.2600,

 1.1099, 0.0010,

0.3286

0.2920

348.5290, 0.2629,
0.3287

0.0000, 0.0000,
0.0000

56.4603, 0.2239,
0.3260

56.4603, 0.2239,
0.3260

56.4609, 0.2239,
0.3260

56.7403, 0.2252,
0.3263

57.2178, 0.2280,
0.3266

57.9589, 0.2325,
0.3269

59.0003, 0.2390,
0.3272

60.3727, 0.2474,
0.3275

■ 62.1031, 0.2577,
0.3278

■ 64.2158, 0.2696,
0.3281

■ 66.7328, 0.2830,
0.3284

■ 69.6746, 0.2975,
0.3287

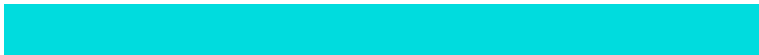
Harmonies

Analogous

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



56.4603, 0.2624, 0.3855



56.4603, 0.2239, 0.3260



56.4603, 0.2085, 0.2748

Triad

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



56.4603, 0.2239, 0.3260



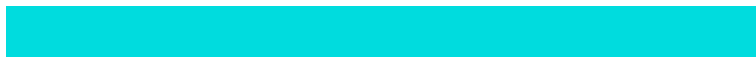
56.4603, 0.2999, 0.2506



56.4603, 0.4147, 0.4078

Complementary

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



56.4603, 0.2239, 0.3260



15.5743, 0.6395, 0.3304

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.



56.4603, 0.4293, 0.3662



56.4603, 0.2239, 0.3260



56.4603, 0.3596, 0.2802

Square

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



56.4603, 0.2239, 0.3260



56.4603, 0.2489, 0.2376



56.4603, 0.4090, 0.3210



56.4603, 0.3726, 0.4335

Rectangle

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



56.4603, 0.2239, 0.3260



56.4603, 0.2117, 0.2523



56.4603, 0.4090, 0.3210



56.4603, 0.4232, 0.3950

Sweetspot

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



56.4624, 0.2239, 0.3260



87.8279, 0.2693, 0.3281



52.2384, 0.3000, 0.6000



18.5231, 0.2640, 0.3280



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.



56.4624, 0.2239, 0.3260



77.2917, 0.2239, 0.3260



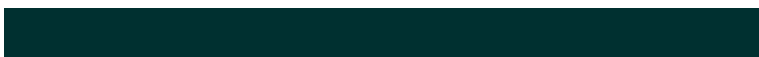
16.6565, 0.1767, 0.1559



15.5502, 0.2982, 0.3287



33.5496, 0.2239, 0.3260



2.3324, 0.2240, 0.3265

Inverse Universe

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



20.6984, 0.3232, 0.1554



28.3338, 0.3232, 0.1554



26.9106, 0.5423, 0.4075



13.9334, 0.3139, 0.3061



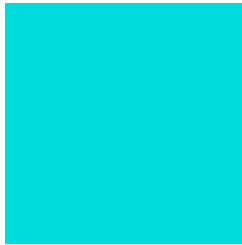
12.2949, 0.3232, 0.1554



0.8529, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 56.4603, 0.2239, 0.3260 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 56.4603, 0.2239, 0.3260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

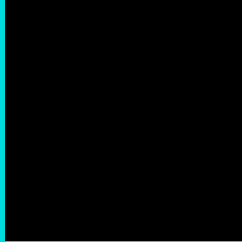
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.4603, 0.2239, 0.3260

Background



This preview shows how black text looks on a background with the Yxy color 56.4603, 0.2239, 0.3260.



This preview shows how white text looks on a background with the Yxy color 56.4603, 0.2239, 0.3260.

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

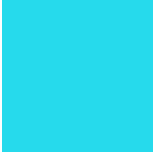
56.4603, 0.2239, 0.3260

Protanopia

55.4055, 0.3055, 0.3146

Deuteranopia

55.5801, 0.2930, 0.2874



Tritanopia

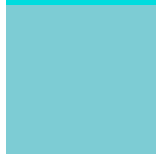
56.6110, 0.2208, 0.3048

Trichromacy



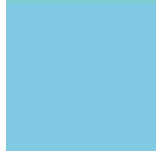
Original Color

56.4603, 0.2239, 0.3260



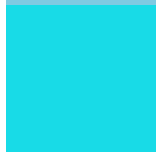
Protanomaly

52.2992, 0.2551, 0.3181



Deuteranomaly

52.2441, 0.2483, 0.2975



Tritanomaly

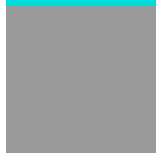
56.6267, 0.2215, 0.3126

Monochromacy



Original Color

56.4603, 0.2239, 0.3260



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

37.6921, 0.2526, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4603, 0.2239, 0.3260 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, 220, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 220, 222)  
}
```

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, 220, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 220, 222) }
```

Border

The CSS property to change the border of an element to Yxy 56.4603, 0.2239, 0.3260 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, 220, 222) }
```

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

```
.border{ border-color:rgb(0, 220, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 220, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 220, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 220, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 220,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4603, 0.2239, 0.3260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 220, 222) }
```

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

```
.background{ background-color: rgb(0, 220,  
222) }
```

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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