

Converting Colors

Yxy(56.4711, 0.2330, 0.3574)

Have a look what the booklet for
Yxy(56.4711, 0.2330, 0.3574)
contains.

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Color

Yxy(56.5520, 0.2330, 0.3573)

Conversions

Conversions Part 1	
Format	Color
Hex	08DECA
RGB	8, 222, 202
RGB Percent	3%, 87%, 79%
CMY	0.9685, 0.1294, 0.2079
CMYK	0.96, 0.00, 0.09, 0.13
HSL	174°, 93%, 45%
HSV	174°, 96%, 87%
XYZ	36.8783, 56.5520, 64.8457
YIQ	155.7340, -121.1240, -51.5880

Conversions

Conversions Part 2

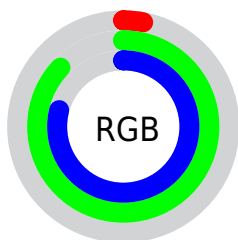
Format	Color
RYB	8, 120, 222
Decimal	581322
CIELab	79.93, -48.80, -2.88
CIELCh	80, 48.881, 183.375
Yxy	56.5520, 0.2330, 0.3573
Android (android.graphics.Color)	4278771402 (0xFF08DECA)
YUV	155.7340, 22.8091, -129.5627
Hunter-Lab	75.2011, -44.0662, 1.5151

Details

The Yxy color **56.5520, 0.2330, 0.3573** 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 **15.7868, 0.6240, 0.3238**, and the grayscale version is **33.0609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **29.4106, 0.2341, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **56.4668, 0.2329, 0.3584**, and if you desaturate by 10%, it is **56.8808, 0.2339, 0.3541**.

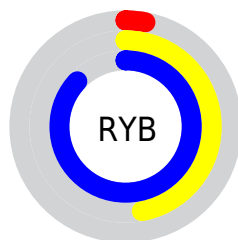
Distribution



Red (3%)

Green (87%)

Blue (79%)



Red (3%)

Yellow (47%)

Blue (87%)

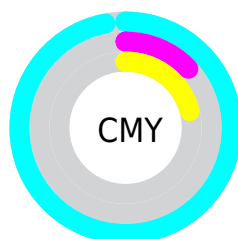


Cyan (96%)

Magenta (0%)

Yellow (9%)

Black (13%)



Cyan (97%)


Magenta (13%)


Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.5520, 0.2330, 0.3573 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 56.5520, 0.2330, 0.3573 by changing the saturation by 10% instead.


 56.5520, 0.2330,
0.3573


 56.5520, 0.2330,
0.3573

 411.7685, 0.2709,
0.3442

 40.6457, 0.2241,
0.3603


 99.8112, 0.2463,
0.3528


 28.0423, 0.2131,
0.3639


 127.9329, 0.2515,
0.3510


 18.3576, 0.1990,
0.3685


 160.8951, 0.2559,
0.3494

 11.2070, 0.1805,
0.3743

 199.0823, 0.2597,
0.3481

 6.2062, 0.1553,
0.3819

 242.8788, 0.2630,
0.3469

 2.9709, 0.1196,
0.3917

 292.6691, 0.2660,


 1.1166, 0.0000,


0.3459


0.4324


348.8375, 0.2686,
0.3450

 0.0000, 0.0000,
0.0000


 56.5520, 0.2330,
0.3573


 56.5520, 0.2330,
0.3573


 56.4668, 0.2329,
0.3584

 56.8808, 0.2339,
0.3541


 57.4432, 0.2365,
0.3509

 58.2844, 0.2410,
0.3477

 59.4385, 0.2475,
0.3445

 60.9348, 0.2558,
0.3414

 62.7993, 0.2659,
0.3384

 65.0554, 0.2774,
0.3356

 67.7245, 0.2901,
0.3329

 70.8266, 0.3037,
0.3305

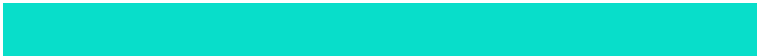
Harmonies

Analogous

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



56.5520, 0.2844, 0.4183



56.5520, 0.2330, 0.3573



56.5520, 0.2043, 0.2935

Triad

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



56.5520, 0.2330, 0.3573



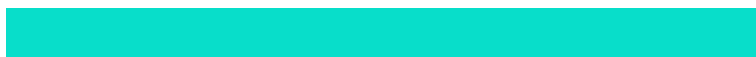
56.5520, 0.2696, 0.2348



56.5520, 0.4363, 0.3932

Complementary

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



56.5520, 0.2330, 0.3573



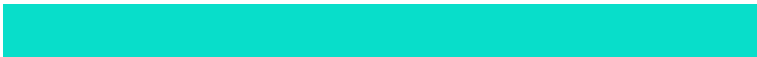
15.7868, 0.6240, 0.3238

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.



56.5520, 0.4347, 0.3448



56.5520, 0.2330, 0.3573



56.5520, 0.3323, 0.2587

Square

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



56.5520, 0.2330, 0.3573



56.5520, 0.2238, 0.2307



56.5520, 0.3952, 0.2975



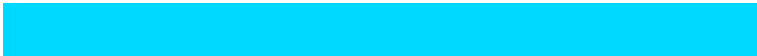
56.5520, 0.4025, 0.4325

Rectangle

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



56.5520, 0.2330, 0.3573



56.5520, 0.1995, 0.2614



56.5520, 0.3952, 0.2975



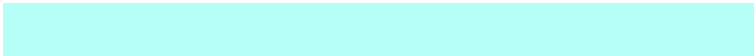
56.5520, 0.4401, 0.3774

Sweetspot

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



56.5541, 0.2330, 0.3573



88.1326, 0.2740, 0.3364



52.5234, 0.3026, 0.5957



18.5799, 0.2690, 0.3376



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.



56.5541, 0.2330, 0.3573



77.2990, 0.2330, 0.3587



23.0497, 0.1884, 0.1960



15.5491, 0.2994, 0.3312



33.5519, 0.2328, 0.3580



2.3322, 0.2314, 0.3531

Inverse Universe

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



15.7868, 0.6240, 0.3238



21.3253, 0.6319, 0.3255



23.4840, 0.5634, 0.3876



13.7212, 0.3277, 0.3268



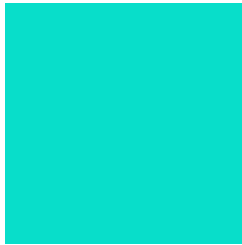
9.2630, 0.6290, 0.3239



0.6493, 0.6015, 0.3087

Previews

White Background



This preview shows how the Yxy color 56.5520, 0.2330, 0.3573 looks on a white background.

Color Contrast Check

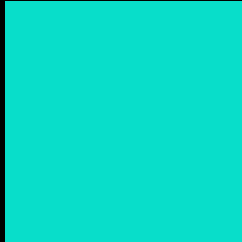
Large Text (above 18pt) WCAG AA × Fail

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 56.5520, 0.2330, 0.3573 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

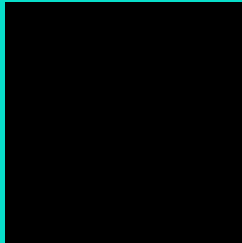
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

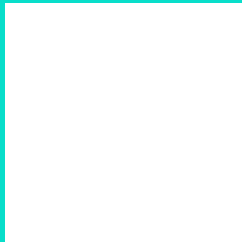
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.5520, 0.2330, 0.3573

Background



This preview shows how black text looks on a background with the Yxy color 56.5520, 0.2330, 0.3573.

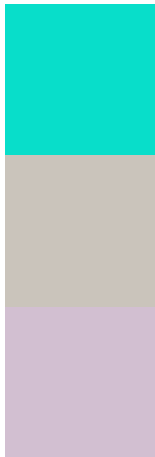


This preview shows how white text looks on a background with the Yxy color 56.5520, 0.2330, 0.3573.

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

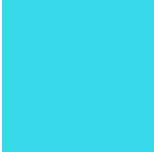
56.5584, 0.2330, 0.3573

Protanopia

55.6243, 0.3243, 0.3399

Deuteranopia

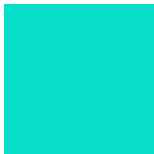
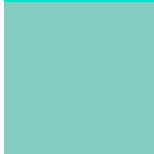
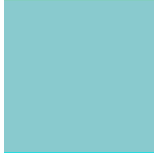
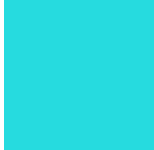
55.5667, 0.3145, 0.3081



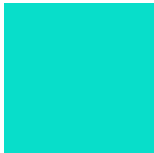
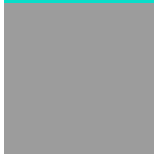
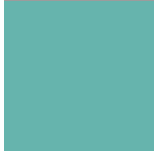
Tritanopia

56.4361, 0.2235, 0.3048

Trichromacy

	Original Color 56.5584, 0.2330, 0.3573
	Protanomaly 52.2937, 0.2699, 0.3467
	Deuteranomaly 52.0157, 0.2648, 0.3235
	Tritanomaly 56.4028, 0.2261, 0.3233

Monochromacy

	Original Color 56.5584, 0.2330, 0.3573
	Achromatopsia 33.2452, 0.3127, 0.3290
	Achromatomaly 38.4844, 0.2591, 0.3398

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5520, 0.2330, 0.3573 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(8, 222, 202)` looks like.

```
.text, #text, p{  
    color:rgb(8, 222, 202)  
}
```

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(8, 222, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 222, 202) }
```

Border

The CSS property to change the border of an element to Yxy 56.5520, 0.2330, 0.3573 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(8, 222, 202) }
```

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

```
.border{ border-color:rgb(8, 222, 202) }
```

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

Here you see how a box with a 4 pixel rgb(8, 222, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 222, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 222, 202);  
box-shadow:4px 4px 4px 4px rgb(8, 222,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5520, 0.2330, 0.3573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 222, 202) }
```

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

```
.background{ background-color: rgb(8, 222,  
202) }
```

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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