

Converting Colors

$Y_{xy}(55.3927, 0.2087, 0.3212)$

Have a look what the booklet for
Yxy(55.3927, 0.2087, 0.3212)
contains.

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Color

Yxy(57.2039, 0.2228, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	01DDE2
RGB	1, 221, 226
RGB Percent	0%, 87%, 89%
CMY	0.9961, 0.1334, 0.1137
CMYK	1.00, 0.02, 0.00, 0.11
HSL	181°, 99%, 45%
HSV	181°, 100%, 89%
XYZ	39.5931, 57.2039, 80.9100
YIQ	155.7900, -132.7250, -45.0850

Conversions

Conversions Part 2

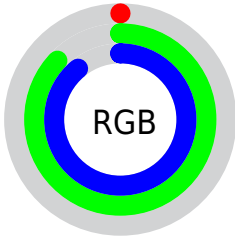
Format	Color
RYB	1, 112, 226
Decimal	122338
CIELab	80.29, -41.64, -15.13
CIELCh	80, 44.304, 199.966
Yxy	57.2039, 0.2228, 0.3219
Android (android.graphics.Color)	4278312418 (0xFF01DDE2)
YUV	155.7900, 34.6135, -135.7508
Hunter-Lab	75.6333, -38.9155, -10.4832

Details

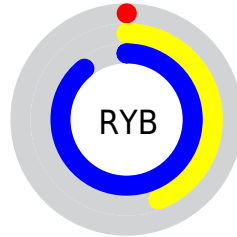
The Yxy color **57.2039, 0.2228, 0.3219** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.3023, 0.6382, 0.3310**, and the grayscale version is **33.0304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **29.8505, 0.2217, 0.3181** is the 20% darker color. If you saturate the color by 10%, you get **57.1880, 0.2227, 0.3219**, and if you desaturate by 10%, it is **57.6552, 0.2243, 0.3226**.

Distribution



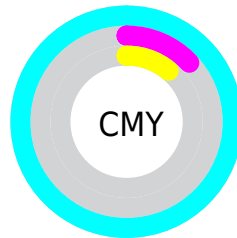
- Red (0%)
- Green (87%)
- Blue (89%)



- Red (0%)
- Yellow (44%)
- Blue (89%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2039, 0.2228, 0.3219 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 57.2039, 0.2228, 0.3219 by changing the saturation by 10% instead.


 57.2039, 0.2228,
0.3219

 57.2039, 0.2228,
0.3219

414.2129, 0.2647,
0.3268


 41.1690, 0.2132,
0.3204

 100.7626, 0.2374,
0.3239


 28.4511, 0.2015,
0.3182


 129.0552, 0.2430,
0.3246

 18.6660, 0.1867,
0.3151


 162.2025, 0.2479,
0.3252

 11.4292, 0.1677,
0.3104

 200.5889, 0.2521,
0.3256

 6.3563, 0.1426,
0.3027

 244.5987, 0.2559,
0.3260

 3.0629, 0.1085,
0.2890

294.6164, 0.2592,

 1.1647, 0.0157,

0.3263

0.2747

351.0263, 0.2621,
0.3266

■ 0.0326, 0.0000,
0.0288

■ 0.0000, 0.0000,
0.0000

■ 57.2039, 0.2228,
0.3219

■ 57.2039, 0.2228,
0.3219

■ 57.1880, 0.2227,
0.3219

■ 57.6552, 0.2243,
0.3226

■ 58.3185, 0.2272,
0.3234

■ 59.2587, 0.2320,
0.3241

■ 60.5140, 0.2387,
0.3249

■ 62.1164, 0.2474,
0.3256

■ 64.0939, 0.2578,
0.3264

■ 66.4717, 0.2699,
0.3271

■ 69.2730, 0.2834,
0.3278

■ 72.5190, 0.2980,
0.3284

Harmonies

Analogous

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



57.2039, 0.2595, 0.3809



57.2039, 0.2228, 0.3219



57.2039, 0.2092, 0.2725

Triad

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



57.2039, 0.2228, 0.3219



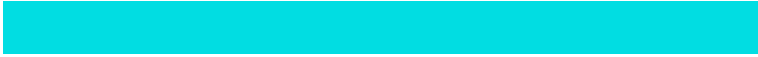
57.2039, 0.3042, 0.2529



57.2039, 0.4115, 0.4097

Complementary

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



57.2039, 0.2228, 0.3219



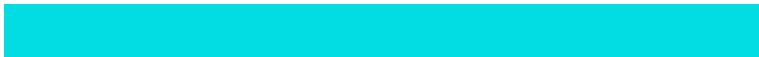
16.3023, 0.6382, 0.3310

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.



57.2039, 0.4283, 0.3692



57.2039, 0.2228, 0.3219



57.2039, 0.3633, 0.2832

Square

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



57.2039, 0.2228, 0.3219



57.2039, 0.2526, 0.2387



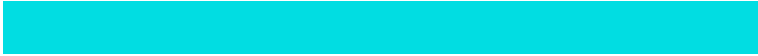
57.2039, 0.4106, 0.3243



57.2039, 0.3684, 0.4332

Rectangle

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



57.2039, 0.2228, 0.3219



57.2039, 0.2135, 0.2512



57.2039, 0.4106, 0.3243



57.2039, 0.4206, 0.3974

Sweetspot

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



57.2060, 0.2228, 0.3219



87.1811, 0.2691, 0.3270



54.4132, 0.2998, 0.5989



18.3653, 0.2638, 0.3267



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.



57.2060, 0.2228, 0.3219



75.1670, 0.2227, 0.3218



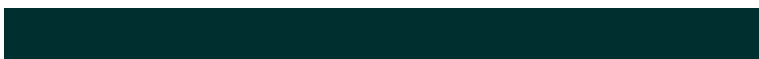
16.5949, 0.1753, 0.1508



15.5172, 0.2982, 0.3284



32.6484, 0.2228, 0.3220



2.2799, 0.2231, 0.3231

Inverse Universe

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



21.4113, 0.3266, 0.1574



28.1193, 0.3267, 0.1573



28.9522, 0.5368, 0.4116



13.9301, 0.3141, 0.3064



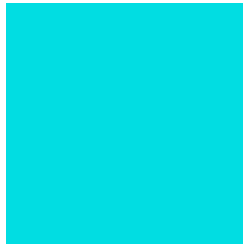
12.2039, 0.3265, 0.1572



0.8476, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 57.2039, 0.2228, 0.3219 looks on a white background.

Color Contrast Check

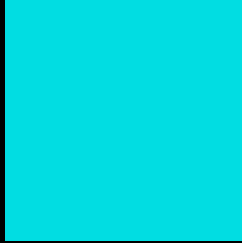
Large Text (above 18pt) WCAG AA × Fail

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 57.2039, 0.2228, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

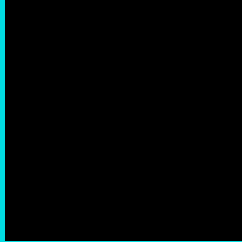
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.2039, 0.2228, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 57.2039, 0.2228, 0.3219.

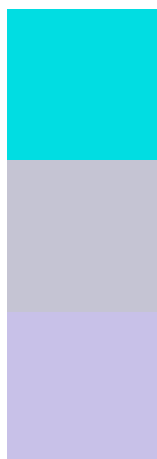


This preview shows how white text looks on a background with the Yxy color 57.2039, 0.2228, 0.3219.

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

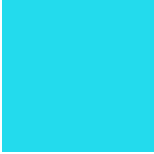
57.2103, 0.2228, 0.3219

Protanopia

56.0533, 0.3027, 0.3111

Deuteranopia

56.2455, 0.2904, 0.2843



Tritanopia

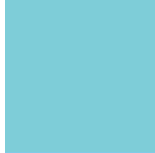
57.1348, 0.2204, 0.3049

Trichromacy



Original Color

57.2103, 0.2228, 0.3219



Protanomaly

53.0561, 0.2537, 0.3142



Deuteranomaly

53.0142, 0.2470, 0.2940



Tritanomaly

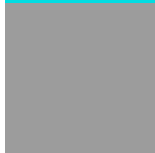
57.2517, 0.2211, 0.3113

Monochromacy



Original Color

57.2103, 0.2228, 0.3219



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

38.6880, 0.2531, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2039, 0.2228, 0.3219 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, 221, 226)` looks like.

```
.text, #text, p{  
    color:rgb(1, 221, 226)  
}
```

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, 221, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 221, 226) }
```

Border

The CSS property to change the border of an element to Yxy 57.2039, 0.2228, 0.3219 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, 221, 226) }
```

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

```
.border{ border-color:rgb(1, 221, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 221, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 221, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 221, 226);  
box-shadow:4px 4px 4px 4px rgb(1, 221,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2039, 0.2228, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 221, 226) }
```

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

```
.background{ background-color: rgb(1, 221,  
226) }
```

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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