

Converting Colors

$Y_{xy}(52.2249, 0.1820, 0.2978)$

Have a look what the booklet for
Yxy(52.2249, 0.1820, 0.2978)
contains.

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Color

Yxy(57.0139, 0.2166, 0.2996)

Conversions

Conversions Part 1

Format	Color
Hex	01DBF1
RGB	1, 219, 241
RGB Percent	0%, 86%, 95%
CMY	0.9964, 0.1412, 0.0548
CMYK	1.00, 0.09, 0.00, 0.05
HSL	186°, 99%, 47%
HSV	186°, 100%, 95%
XYZ	41.2190, 57.0139, 92.0672
YIQ	156.3260, -136.9900, -39.3740

Conversions

Conversions Part 2

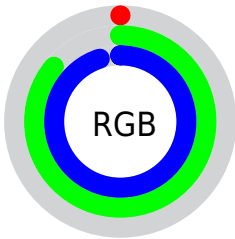
Format	Color
RYB	1, 115, 241
Decimal	121841
CIELab	80.19, -36.14, -23.28
CIELCh	80, 42.989, 212.793
Yxy	57.0139, 0.2166, 0.2996
Android (android.graphics.Color)	4278311921 (0xFF01DBF1)
YUV	156.3260, 41.7443, -136.2209
Hunter-Lab	75.5075, -34.6964, -19.4377

Details

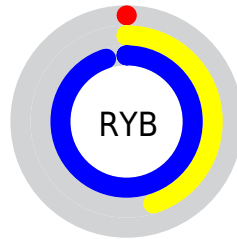
The Yxy color **57.0139, 0.2166, 0.2996** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **19.3173, 0.6338, 0.3346**, and the grayscale version is **33.2411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **29.6972, 0.2142, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **56.9662, 0.2165, 0.2995**, and if you desaturate by 10%, it is **58.3785, 0.2188, 0.3027**.

Distribution



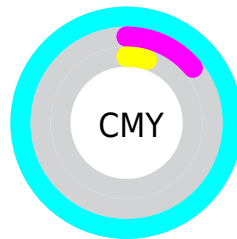
- Red (0%)
- Green (86%)
- Blue (95%)



- Red (0%)
- Yellow (45%)
- Blue (95%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (14%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.0139, 0.2166, 0.2996 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 57.0139, 0.2166, 0.2996 by changing the saturation by 10% instead.


 57.0139, 0.2166,
0.2996

 57.0139, 0.2166,
0.2996

413.5014, 0.2610,
0.3153


 41.0164, 0.2066,
0.2955


 100.4855, 0.2319,
0.3055


 28.3319, 0.1944,
0.2902


 128.7283, 0.2379,
0.3076


 18.5760, 0.1792,
0.2830


 161.8218, 0.2431,
0.3095

 11.3643, 0.1598,
0.2730

 200.1502, 0.2476,
0.3110

 6.3124, 0.1346,
0.2583

 244.0979, 0.2516,
0.3123

 3.0360, 0.1014,
0.2353

294.0495, 0.2551,

 1.1505, 0.0333,

0.3135

0.2018

350.3892, 0.2582,
0.3145

■ 0.0207, 0.0000,
0.0112

■ 0.0000, 0.0000,
0.0000

■ 57.0139, 0.2166,
0.2996

■ 57.0139, 0.2166,
0.2996

■ 56.9662, 0.2165,
0.2995

■ 58.3785, 0.2188,
0.3027

■ 60.0046, 0.2225,
0.3059

■ 61.9662, 0.2281,
0.3091

■ 64.3082, 0.2357,
0.3123

67.0683, 0.2452,
0.3154

70.2795, 0.2564,
0.3185

73.9714, 0.2691,
0.3214

78.1710, 0.2830,
0.3242

82.9033, 0.2979,
0.3267

Harmonies

Analogous

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



57.0139, 0.2432, 0.3552



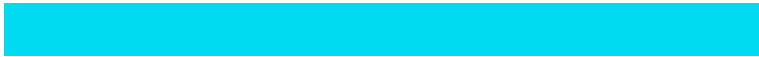
57.0139, 0.2166, 0.2996



57.0139, 0.2134, 0.2597

Triad

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



57.0139, 0.2166, 0.2996



57.0139, 0.3292, 0.2658



57.0139, 0.3935, 0.4203

Complementary

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



57.0139, 0.2166, 0.2996



19.3173, 0.6338, 0.3346

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.



57.0139, 0.4220, 0.3864



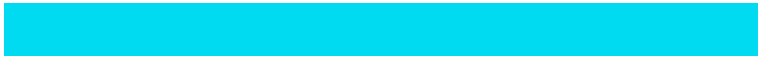
57.0139, 0.2166, 0.2996



57.0139, 0.3841, 0.3007

Square

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



57.0139, 0.2166, 0.2996



57.0139, 0.2740, 0.2447



57.0139, 0.4193, 0.3433



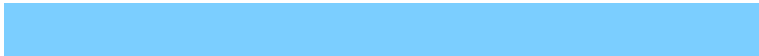
57.0139, 0.3445, 0.4310

Rectangle

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



57.0139, 0.2166, 0.2996



57.0139, 0.2241, 0.2453



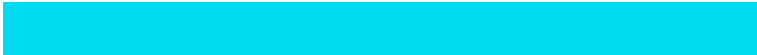
57.0139, 0.4193, 0.3433



57.0139, 0.4059, 0.4108

Sweetspot

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



57.0160, 0.2166, 0.2996



83.8671, 0.2685, 0.3213



62.9831, 0.2988, 0.5954



17.5589, 0.2630, 0.3200



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.



57.0160, 0.2166, 0.2996



64.7093, 0.2165, 0.2994



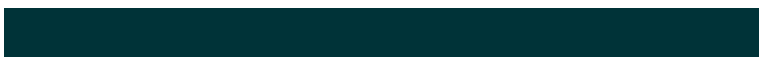
15.6577, 0.1692, 0.1290



17.6664, 0.2981, 0.3268



30.9911, 0.2167, 0.3000



2.6500, 0.2178, 0.3041

Inverse Universe

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



23.8384, 0.3458, 0.1679



27.0636, 0.3460, 0.1679



37.7498, 0.5179, 0.4268



16.0049, 0.3152, 0.3078



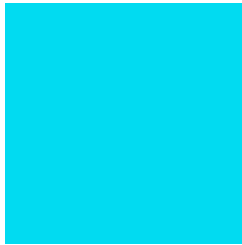
12.9219, 0.3454, 0.1677



1.0822, 0.3418, 0.1657

Previews

White Background



This preview shows how the Yxy color 57.0139, 0.2166, 0.2996 looks on a white background.

Color Contrast Check

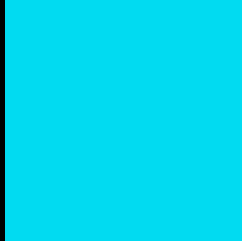
Large Text (above 18pt) WCAG AA × Fail

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 57.0139, 0.2166, 0.2996 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

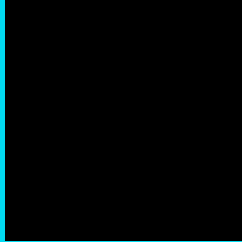
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.0139, 0.2166, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 57.0139, 0.2166, 0.2996.



This preview shows how white text looks on a background with the Yxy color 57.0139, 0.2166, 0.2996.

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

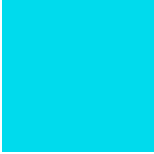
57.0204, 0.2166, 0.2996

Protanopia

56.1226, 0.2893, 0.2948

Deuteranopia

55.9317, 0.2743, 0.2676



Tritanopia

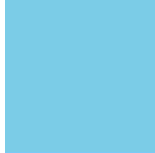
56.7775, 0.2180, 0.3047

Trichromacy



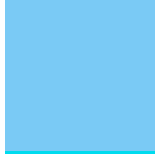
Original Color

57.0204, 0.2166, 0.2996



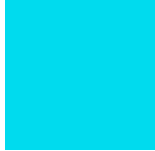
Protanomaly

53.1662, 0.2443, 0.2939



Deuteranomaly

52.9712, 0.2367, 0.2747



Tritanomaly

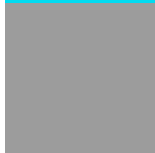
56.8361, 0.2176, 0.3034

Monochromacy



Original Color

57.0204, 0.2166, 0.2996



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

38.5374, 0.2493, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0139, 0.2166, 0.2996 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, 219, 241)` looks like.

```
.text, #text, p{  
    color:rgb(1, 219, 241)  
}
```

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, 219, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 219, 241) }
```

Border

The CSS property to change the border of an element to Yxy 57.0139, 0.2166, 0.2996 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, 219, 241) }
```

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

```
.border{ border-color:rgb(1, 219, 241) }
```

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

Here you see how a box with a 4 pixel rgb(1, 219, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 219, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 219, 241);  
box-shadow:4px 4px 4px 4px rgb(1, 219,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0139, 0.2166, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 219, 241) }
```

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

```
.background{ background-color: rgb(1, 219,  
241) }
```

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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