

Converting Colors

$Y_{xy}(52.7734, 0.1841, 0.2986)$

Have a look what the booklet for
Yxy(52.7734, 0.1841, 0.2986)
contains.

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Color

Yxy(57.5373, 0.2170, 0.3010)

Conversions

Conversions Part 1

Format	Color
Hex	01DCF1
RGB	1, 220, 241
RGB Percent	0%, 86%, 95%
CMY	0.9954, 0.1373, 0.0549
CMYK	1.00, 0.09, 0.00, 0.05
HSL	185°, 99%, 47%
HSV	185°, 100%, 95%
XYZ	41.4804, 57.5373, 92.1361
YIQ	156.9130, -137.2650, -39.8970

Conversions

Conversions Part 2

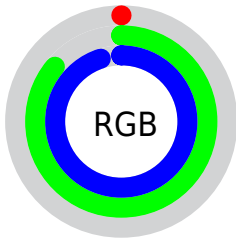
Format	Color
R _{YB}	1, 116, 241
Decimal	122097
CIE _{Lab}	80.48, -36.60, -22.82
CIE _{LCh}	80, 43.138, 211.945
Y _{xy}	57.5373, 0.2170, 0.3010
Android (android.graphics.Color)	4278312177 (0xFF01DCF1)
YUV	156.9130, 41.4549, -136.7357
Hunter-Lab	75.8533, -35.1307, -18.9199

Details

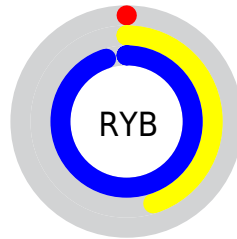
The Yxy color **57.5373, 0.2170, 0.3010** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light saturated cyan. A complement of this color would be **19.2842, 0.6340, 0.3343**, and the grayscale version is **33.5550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **30.0537, 0.2147, 0.2929** is the 20% darker color. If you saturate the color by 10%, you get **57.4774, 0.2169, 0.3009**, and if you desaturate by 10%, it is **58.8572, 0.2191, 0.3040**.

Distribution



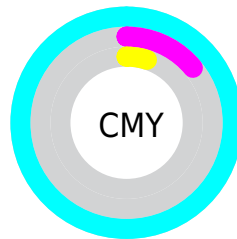
- Red (0%)
- Green (86%)
- Blue (95%)



- 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 57.5373, 0.2170, 0.3010 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 57.5373, 0.2170, 0.3010 by changing the saturation by 10% instead.


 57.5373, 0.2170,
0.3010

 57.5373, 0.2170,
0.3010

415.4596, 0.2612,
0.3161


 41.4368, 0.2071,
0.2971


 101.2488, 0.2322,
0.3066

 28.6605, 0.1949,
0.2919


 129.6285, 0.2382,
0.3087

 18.8242, 0.1798,
0.2850


 162.8701, 0.2433,
0.3104

 11.5433, 0.1606,
0.2754

 201.3579, 0.2478,
0.3119

 6.4335, 0.1355,
0.2612

 245.4764, 0.2518,
0.3132

 3.1104, 0.1025,
0.2389

295.6099, 0.2553,

 1.1897, 0.0363,

0.3143

0.2062

352.1428, 0.2584,
0.3152

■ 0.0532, 0.0000,
0.0283

■ 0.0000, 0.0000,
0.0000

■ 57.5373, 0.2170,
0.3010

■ 57.5373, 0.2170,
0.3010

■ 57.4774, 0.2169,
0.3009

■ 58.8572, 0.2191,
0.3040

■ 60.4387, 0.2228,
0.3070

■ 62.3549, 0.2284,
0.3100

■ 64.6504, 0.2360,
0.3131

■ 67.3630, 0.2454,
0.3161

■ 70.5255, 0.2566,
0.3190

■ 74.1676, 0.2693,
0.3218

■ 78.3162, 0.2832,
0.3244

■ 82.9962, 0.2980,
0.3269

Harmonies

Analogous

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



57.5373, 0.2442, 0.3569



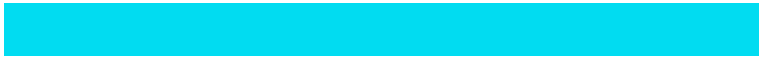
57.5373, 0.2170, 0.3010



57.5373, 0.2131, 0.2605

Triad

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



57.5373, 0.2170, 0.3010



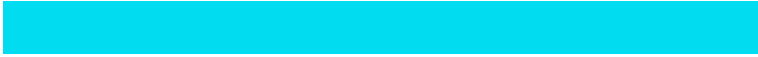
57.5373, 0.3275, 0.2650



57.5373, 0.3946, 0.4196

Complementary

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



57.5373, 0.2170, 0.3010



19.2842, 0.6340, 0.3343

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.



57.5373, 0.4224, 0.3852



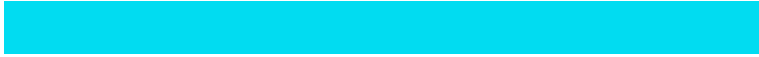
57.5373, 0.2170, 0.3010



57.5373, 0.3828, 0.2996

Square

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



57.5373, 0.2170, 0.3010



57.5373, 0.2726, 0.2443



57.5373, 0.4187, 0.3421



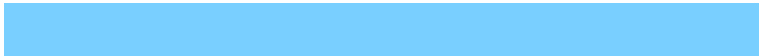
57.5373, 0.3460, 0.4312

Rectangle

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



57.5373, 0.2170, 0.3010



57.5373, 0.2234, 0.2456



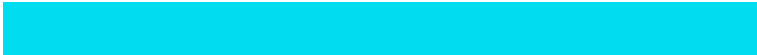
57.5373, 0.4187, 0.3421



57.5373, 0.4068, 0.4099

Sweetspot

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



57.5394, 0.2170, 0.3010



84.0627, 0.2685, 0.3216



62.9719, 0.2988, 0.5953



17.6064, 0.2630, 0.3204



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.



57.5394, 0.2170, 0.3010



65.3062, 0.2169, 0.3008



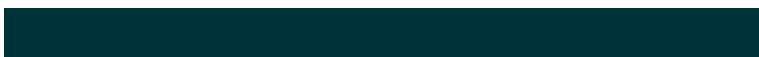
15.6863, 0.1693, 0.1292



17.6782, 0.2981, 0.3269



31.2709, 0.2170, 0.3013



2.6704, 0.2181, 0.3053

Inverse Universe

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



23.8929, 0.3445, 0.1673



27.1238, 0.3447, 0.1673



37.7750, 0.5177, 0.4268



16.0061, 0.3151, 0.3077



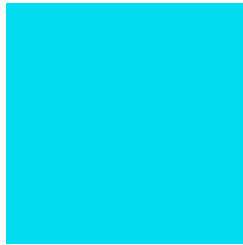
12.9502, 0.3442, 0.1670



1.0843, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 57.5373, 0.2170, 0.3010 looks on a white background.

Color Contrast Check

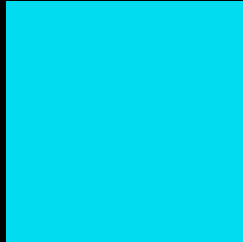
Large Text (above 18pt) WCAG AA × Fail

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 57.5373, 0.2170, 0.3010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

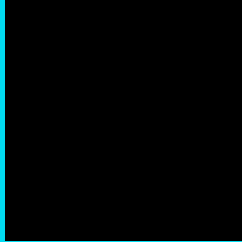
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.5373, 0.2170, 0.3010

Background



This preview shows how black text looks on a background with the Yxy color 57.5373, 0.2170, 0.3010.



This preview shows how white text looks on a background with the Yxy color 57.5373, 0.2170, 0.3010.

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

57.5437, 0.2170, 0.3010

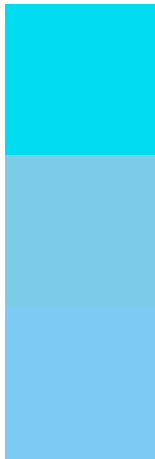
Protanopia

56.7062, 0.2901, 0.2961

Deuteranopia

56.5054, 0.2751, 0.2688

Trichromacy



Original Color

57.5437, 0.2170, 0.3010

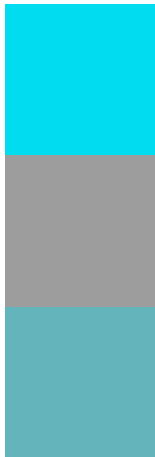
Protanomaly

53.6431, 0.2445, 0.2953

Deuteranomaly

53.5154, 0.2374, 0.2761

Monochromacy



Original Color

57.5437, 0.2170, 0.3010

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

38.9827, 0.2490, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.5373, 0.2170, 0.3010 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, 220, 241)` looks like.

```
.text, #text, p{  
    color:rgb(1, 220, 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, 220, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 220, 241) }
```

Border

The CSS property to change the border of an element to Yxy 57.5373, 0.2170, 0.3010 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, 220, 241) }
```

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

```
.border{ border-color:rgb(1, 220, 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, 220, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 220, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 220, 241);  
box-shadow:4px 4px 4px 4px rgb(1, 220,  
241) }
```

Background

The CSS property to change the background color of an element to Yxy 57.5373, 0.2170, 0.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 220, 241) }
```

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

```
.background{ background-color: rgb(1, 220,  
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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