

Converting Colors

$Y_{xy}(51.4944, 0.2149, 0.2935)$

Have a look what the booklet for
Yxy(51.4944, 0.2149, 0.2935)
contains.

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Color

Yxy(51.6055, 0.2148, 0.2932)

Conversions

Conversions Part 1

Format	Color
Hex	00D1EB
RGB	0, 209, 235
RGB Percent	0%, 82%, 92%
CMY	0.9986, 0.1804, 0.0783
CMYK	1.00, 0.11, 0.00, 0.08
HSL	187°, 100%, 46%
HSV	187°, 100%, 92%
XYZ	37.8065, 51.6055, 86.5959
YIQ	149.4730, -132.9100, -36.2220

Conversions

Conversions Part 2

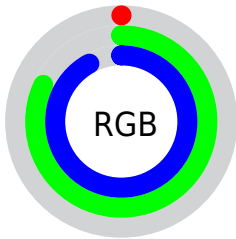
Format	Color
RYB	0, 111, 235
Decimal	53739
CIELab	77.04, -33.34, -24.88
CIELCh	77, 41.597, 216.733
Yxy	51.6055, 0.2148, 0.2932
Android (android.graphics.Color)	4278243819 (0xFF00D1EB)
YUV	149.4730, 42.1648, -131.0878
Hunter-Lab	71.8370, -31.7734, -21.1852

Details

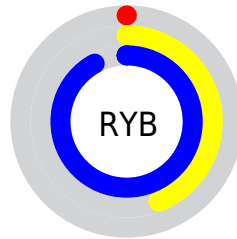
The Yxy color **51.6055, 0.2148, 0.2932** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.4265, 0.6321, 0.3361**, and the grayscale version is **30.1774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **26.3659, 0.2123, 0.2842** is the 20% darker color. If you saturate the color by 10%, you get **51.5852, 0.2148, 0.2931**, and if you desaturate by 10%, it is **53.0876, 0.2172, 0.2970**.

Distribution



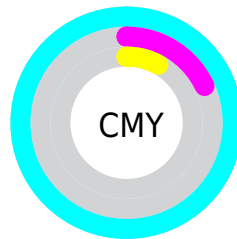
- Red (0%)
- Green (82%)
- Blue (92%)



- Red (0%)
- Yellow (44%)
- Blue (92%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (18%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6055, 0.2148, 0.2932 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 51.6055, 0.2148, 0.2932 by changing the saturation by 10% instead.


 51.6055, 0.2148,
0.2932


 51.6055, 0.2148,
0.2932


392.9117, 0.2608,
0.3123


 36.6907, 0.2043,
0.2882


 92.5492, 0.2308,
0.3003


 24.9681, 0.1914,
0.2817


 119.3469, 0.2370,
0.3030


 16.0533, 0.1752,
0.2730


 150.8743, 0.2423,
0.3051

 9.5619, 0.1545,
0.2609

 187.5159, 0.2470,
0.3070

 5.1095, 0.1275,
0.2429

 229.6561, 0.2511,
0.3086

 2.3116, 0.0917,
0.2148

277.6791, 0.2547,

 0.7799, 0.0000,

0.3100

0.1752

331.9696, 0.2579,
0.3112

■ 0.0000, 0.0000,
0.0000

■ 51.6055, 0.2148,
0.2932

■ 51.6055, 0.2148,
0.2932

■ 51.5852, 0.2148,
0.2931

■ 53.0876, 0.2172,
0.2970

■ 54.8194, 0.2212,
0.3009

■ 56.8733, 0.2270,
0.3048

■ 59.2917, 0.2348,
0.3087

■ 62.1101, 0.2445,
0.3125

■ 65.3597, 0.2558,
0.3162

■ 69.0685, 0.2687,
0.3198

■ 73.2618, 0.2827,
0.3231

■ 77.9634, 0.2975,
0.3262

Harmonies

Analogous

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



51.6055, 0.2384, 0.3476



51.6055, 0.2148, 0.2932



51.6055, 0.2147, 0.2561

Triad

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



51.6055, 0.2148, 0.2932



51.6055, 0.3368, 0.2697



51.6055, 0.3879, 0.4234

Complementary

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



51.6055, 0.2148, 0.2932



18.4265, 0.6321, 0.3361

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.



51.6055, 0.4199, 0.3916



51.6055, 0.2148, 0.2932



51.6055, 0.3903, 0.3060

Square

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



51.6055, 0.2148, 0.2932



51.6055, 0.2806, 0.2465



51.6055, 0.4216, 0.3491



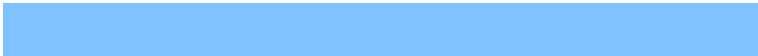
51.6055, 0.3373, 0.4300

Rectangle

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



51.6055, 0.2148, 0.2932



51.6055, 0.2274, 0.2435



51.6055, 0.4216, 0.3491



51.6055, 0.4013, 0.4148

Sweetspot

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



51.6074, 0.2148, 0.2932



82.9685, 0.2683, 0.3197



59.5080, 0.2984, 0.5941



17.3408, 0.2627, 0.3182



0.0000, 0.0000, 0.0000



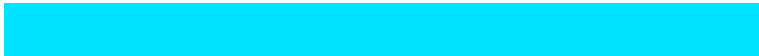
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.6074, 0.2148, 0.2932



62.0004, 0.2147, 0.2930



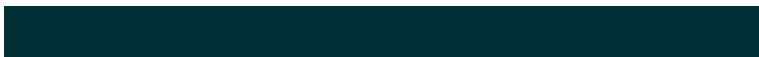
14.0501, 0.1678, 0.1239



16.8198, 0.2981, 0.3263



28.8158, 0.2149, 0.2938



2.3442, 0.2164, 0.2991

Inverse Universe

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



22.2809, 0.3515, 0.1710



26.7901, 0.3517, 0.1711



36.7700, 0.5132, 0.4306



15.2833, 0.3155, 0.3083



12.4018, 0.3510, 0.1707



0.9821, 0.3462, 0.1681

Previews

White Background



This preview shows how the Yxy color 51.6055, 0.2148, 0.2932 looks on a white background.

Color Contrast Check

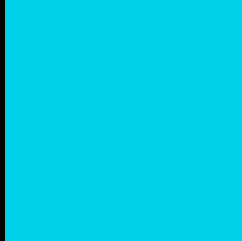
Large Text (above 18pt) WCAG AA × Fail

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 51.6055, 0.2148, 0.2932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

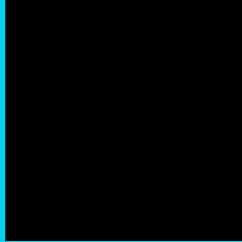
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6055, 0.2148, 0.2932

Background



This preview shows how black text looks on a background with the Yxy color 51.6055, 0.2148, 0.2932.



This preview shows how white text looks on a background with the Yxy color 51.6055, 0.2148, 0.2932.

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

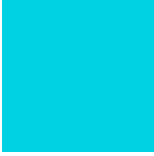
51.5991, 0.2148, 0.2932

Protanopia

50.7752, 0.2856, 0.2887

Deuteranopia

50.6925, 0.2702, 0.2639



Tritanopia

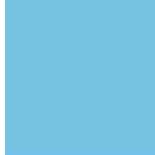
51.6392, 0.2181, 0.3051

Trichromacy



Original Color

51.5991, 0.2148, 0.2932



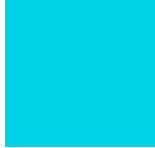
Protanomaly

48.2484, 0.2420, 0.2887



Deuteranomaly

48.4015, 0.2345, 0.2716



Tritanomaly

51.8064, 0.2170, 0.3011

Monochromacy



Original Color

51.5991, 0.2148, 0.2932



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

34.9488, 0.2483, 0.3129

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6055, 0.2148, 0.2932 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, 209, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 235)  
}
```

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, 209, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 235) }
```

Border

The CSS property to change the border of an element to Yxy 51.6055, 0.2148, 0.2932 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, 209, 235) }
```

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

```
.border{ border-color:rgb(0, 209, 235) }
```

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

Here you see how a box with a 4 pixel rgb(0, 209, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 209, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 209, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 209,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6055, 0.2148, 0.2932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 235) }
```

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

```
.background{ background-color: rgb(0, 209,  
235) }
```

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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