

Converting Colors

$Y_{xy}(54.1788, 0.2099, 0.2755)$

Have a look what the booklet for
Yxy(54.1788, 0.2099, 0.2755)
contains.

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Color

Yxy(54.1853, 0.2099, 0.2755)

Conversions

Conversions Part 1

Format	Color
Hex	01D4FD
RGB	1, 212, 253
RGB Percent	0%, 83%, 99%
CMY	0.9969, 0.1686, 0.0078
CMYK	1.00, 0.16, 0.00, 0.01
HSL	190°, 99%, 50%
HSV	190°, 100%, 99%
XYZ	41.2831, 54.1853, 101.2115
YIQ	153.5850, -138.9170, -31.9810

Conversions

Conversions Part 2

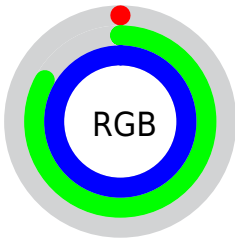
Format	Color
RYB	1, 116, 253
Decimal	120061
CIELab	78.57, -28.97, -32.14
CIELCh	79, 43.266, 227.968
Yxy	54.1853, 0.2099, 0.2755
Android (android.graphics.Color)	4278310141 (0xFF01D4FD)
YUV	153.5850, 49.0116, -133.8170
Hunter-Lab	73.6107, -28.7104, -29.9937

Details

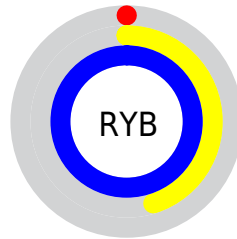
The Yxy color **54.1853, 0.2099, 0.2755** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.5262, 0.6258, 0.3410**, and the grayscale version is **31.9254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **28.0995, 0.2066, 0.2636** is the 20% darker color. If you saturate the color by 10%, you get **54.1169, 0.2098, 0.2753**, and if you desaturate by 10%, it is **56.4855, 0.2129, 0.2813**.

Distribution



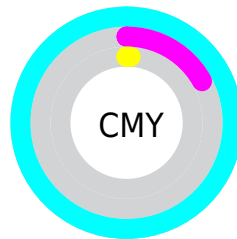
- Red (0%)
- Green (83%)
- Blue (99%)



- Red (0%)
- Yellow (45%)
- Blue (99%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (17%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1853, 0.2099, 0.2755 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 54.1853, 0.2099, 0.2755 by changing the saturation by 10% instead.


 54.1853, 0.2099,
0.2755


 54.1853, 0.2099,
0.2755


402.8162, 0.2574,
0.3027

 38.7498, 0.1993,
0.2688


 96.3463, 0.2262,
0.2854

 26.5652, 0.1863,
0.2603

 123.8405, 0.2327,
0.2891


 17.2469, 0.1703,
0.2491


 156.1232, 0.2382,
0.2922

 10.4107, 0.1501,
0.2342

 193.5787, 0.2430,
0.2949

 5.6721, 0.1242,
0.2133

 236.5913, 0.2473,
0.2973

 2.6467, 0.0909,
0.1829

285.5455, 0.2510,

 0.9502, 0.0287,

0.2993

0.1403

340.8257, 0.2544,
0.3011

■ 0.0000, 0.0000,
0.0000

■ 54.1853, 0.2099,
0.2755

■ 54.1853, 0.2099,
0.2755

■ 54.1169, 0.2098,
0.2753

■ 56.4855, 0.2129,
0.2813

■ 59.1142, 0.2175,
0.2872

■ 62.1537, 0.2240,
0.2931

■ 65.6551, 0.2326,
0.2989

■ 69.6613, 0.2429,
0.3047

■ 74.2097, 0.2549,
0.3102

■ 79.3342, 0.2683,
0.3155

■ 85.0653, 0.2826,
0.3204

■ 91.4315, 0.2977,
0.3250

Harmonies

Analogous

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



54.1853, 0.2250, 0.3258



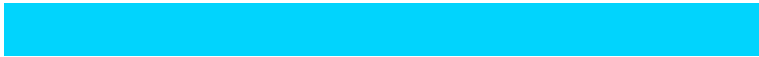
54.1853, 0.2099, 0.2755



54.1853, 0.2187, 0.2460

Triad

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



54.1853, 0.2099, 0.2755



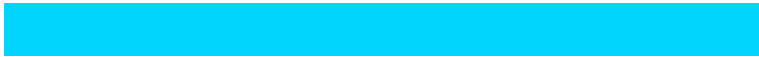
54.1853, 0.3593, 0.2811



54.1853, 0.3715, 0.4320

Complementary

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



54.1853, 0.2099, 0.2755



22.5262, 0.6258, 0.3410

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.



54.1853, 0.4131, 0.4070



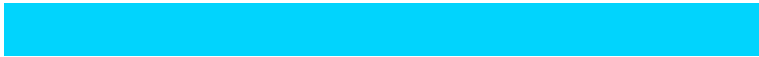
54.1853, 0.2099, 0.2755



54.1853, 0.4077, 0.3214

Square

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



54.1853, 0.2099, 0.2755



54.1853, 0.3005, 0.2518



54.1853, 0.4276, 0.3661



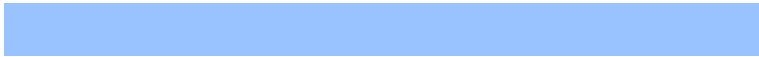
54.1853, 0.3164, 0.4258

Rectangle

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



54.1853, 0.2099, 0.2755



54.1853, 0.2373, 0.2389



54.1853, 0.4276, 0.3661



54.1853, 0.3876, 0.4264

Sweetspot

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



54.1872, 0.2099, 0.2755



80.5853, 0.2678, 0.3153



70.4006, 0.2970, 0.5891



16.7636, 0.2620, 0.3131



0.0000, 0.0000, 0.0000



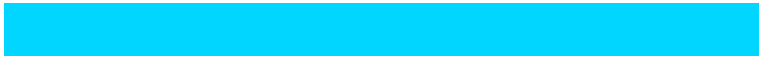
21.4041, 0.3127, 0.3290

Same Dimension

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



54.1872, 0.2099, 0.2755



55.0855, 0.2098, 0.2753



14.2538, 0.1638, 0.1095



19.9490, 0.2980, 0.3250



28.9705, 0.2101, 0.2763



2.9490, 0.2119, 0.2829

Inverse Universe

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



25.6541, 0.3676, 0.1800



26.0921, 0.3678, 0.1800



47.6982, 0.4992, 0.4416



18.2467, 0.3163, 0.3093



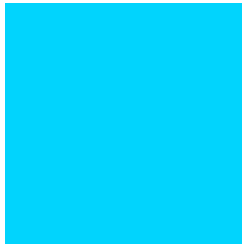
13.6526, 0.3669, 0.1795



1.3422, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 54.1853, 0.2099, 0.2755 looks on a white background.

Color Contrast Check

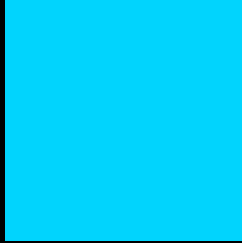
Large Text (above 18pt) WCAG AA × Fail

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 54.1853, 0.2099, 0.2755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

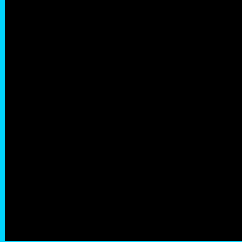
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.1853, 0.2099, 0.2755

Background



This preview shows how black text looks on a background with the Yxy color 54.1853, 0.2099, 0.2755.



This preview shows how white text looks on a background with the Yxy color 54.1853, 0.2099, 0.2755.

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

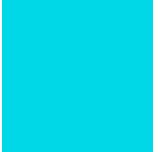
54.1853, 0.2099, 0.2755

Protanopia

53.3797, 0.2735, 0.2736

Deuteranopia

53.2770, 0.2593, 0.2541



Tritanopia

54.3704, 0.2186, 0.3069

Trichromacy



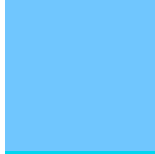
Original Color

54.1853, 0.2099, 0.2755



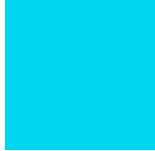
Protanomaly

51.0309, 0.2340, 0.2726



Deuteranomaly

50.9887, 0.2272, 0.2588



Tritanomaly

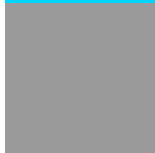
54.3251, 0.2153, 0.2952

Monochromacy



Original Color

54.1853, 0.2099, 0.2755



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.9743, 0.2453, 0.3058

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1853, 0.2099, 0.2755 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, 212, 253)` looks like.

```
.text, #text, p{  
    color:rgb(1, 212, 253)  
}
```

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, 212, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 212, 253) }
```

Border

The CSS property to change the border of an element to Yxy 54.1853, 0.2099, 0.2755 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, 212, 253) }
```

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

```
.border{ border-color:rgb(1, 212, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 212, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 212, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 212, 253);  
box-shadow:4px 4px 4px 4px rgb(1, 212,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1853, 0.2099, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 212, 253) }
```

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

```
.background{ background-color: rgb(1, 212,  
253) }
```

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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