

Converting Colors

$Y_{xy}(49.3843, 0.1883, 0.2789)$

Have a look what the booklet for
Yxy(49.3843, 0.1883, 0.2789)
contains.

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Color

Yxy(52.6858, 0.2117, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	00D2F5
RGB	0, 210, 245
RGB Percent	0%, 82%, 96%
CMY	1.0000, 0.1764, 0.0391
CMYK	1.00, 0.14, 0.00, 0.04
HSL	189°, 100%, 48%
HSV	189°, 100%, 96%
XYZ	39.5237, 52.6858, 94.4872
YIQ	151.2000, -136.3950, -33.6350

Conversions

Conversions Part 2

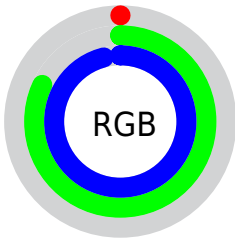
Format	Color
RYB	0, 113, 245
Decimal	54005
CIELab	77.69, -30.63, -29.23
CIELCh	78, 42.342, 223.662
Yxy	52.6858, 0.2117, 0.2822
Android (android.graphics.Color)	4278244085 (0xFF00D2F5)
YUV	151.2000, 46.2434, -132.6024
Hunter-Lab	72.5850, -29.8276, -26.3710

Details

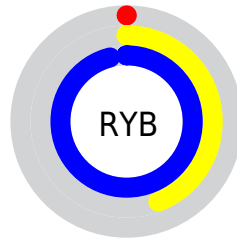
The Yxy color **52.6858, 0.2117, 0.2822** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.6187, 0.6289, 0.3389**, and the grayscale version is **30.8830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **27.1168, 0.2084, 0.2704** is the 20% darker color. If you saturate the color by 10%, you get **52.6918, 0.2117, 0.2822**, and if you desaturate by 10%, it is **54.6401, 0.2145, 0.2872**.

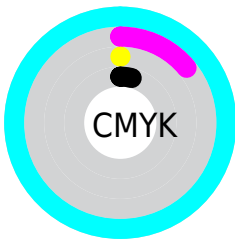
Distribution



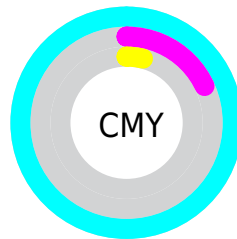
- Red (0%)
- Green (82%)
- Blue (96%)



- Red (0%)
- Yellow (44%)
- Blue (96%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (18%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.6858, 0.2117, 0.2822 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 52.6858, 0.2117, 0.2822 by changing the saturation by 10% instead.


 52.6858, 0.2117,
0.2822

 52.6858, 0.2117,
0.2822


397.0785, 0.2587,
0.3064

 37.5520, 0.2011,
0.2761


 94.1419, 0.2280,
0.2911


 25.6352, 0.1881,
0.2683


 121.2329, 0.2343,
0.2944


 16.5509, 0.1719,
0.2579


 153.0785, 0.2398,
0.2972

 9.9148, 0.1514,
0.2438

 190.0631, 0.2446,
0.2996

 5.3425, 0.1248,
0.2237

 232.5709, 0.2488,
0.3017

 2.4496, 0.0904,
0.1936

280.9865, 0.2525,

 0.8512, 0.0110,

0.3035

0.1521

335.6943, 0.2558,
0.3050

■ 0.0000, 0.0000,
0.0000

■ 52.6858, 0.2117,
0.2822

■ 52.6858, 0.2117,
0.2822

■ 52.6918, 0.2117,
0.2822

■ 54.6401, 0.2145,
0.2872

■ 56.8786, 0.2188,
0.2923

■ 59.4861, 0.2250,
0.2974

■ 62.5096, 0.2332,
0.3025

■ 65.9888, 0.2432,
0.3075

■ 69.9585, 0.2550,
0.3124

■ 74.4498, 0.2681,
0.3170

■ 79.4910, 0.2823,
0.3213

■ 85.1085, 0.2973,
0.3253

Harmonies

Analogous

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



52.6858, 0.2301, 0.3342



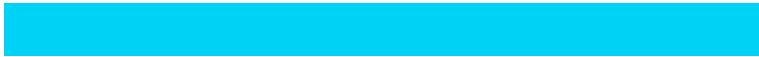
52.6858, 0.2117, 0.2822



52.6858, 0.2170, 0.2498

Triad

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



52.6858, 0.2117, 0.2822



52.6858, 0.3505, 0.2766



52.6858, 0.3780, 0.4288

Complementary

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



52.6858, 0.2117, 0.2822



20.6187, 0.6289, 0.3389

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.



52.6858, 0.4159, 0.4010



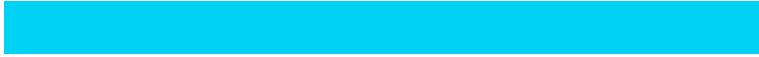
52.6858, 0.2117, 0.2822



52.6858, 0.4011, 0.3154

Square

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



52.6858, 0.2117, 0.2822



52.6858, 0.2927, 0.2497



52.6858, 0.4255, 0.3595



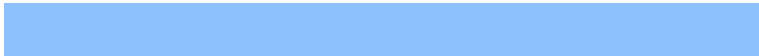
52.6858, 0.3245, 0.4277

Rectangle

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



52.6858, 0.2117, 0.2822



52.6858, 0.2333, 0.2406



52.6858, 0.4255, 0.3595



52.6858, 0.3931, 0.4220

Sweetspot

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



52.6918, 0.2117, 0.2822



81.4873, 0.2680, 0.3170



65.4247, 0.2976, 0.5912



16.9819, 0.2623, 0.3150



0.0000, 0.0000, 0.0000



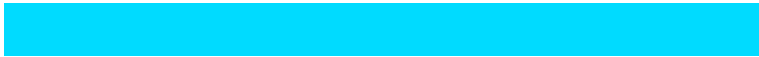
21.4041, 0.3127, 0.3290

Same Dimension

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



52.6918, 0.2117, 0.2822



57.6559, 0.2117, 0.2821



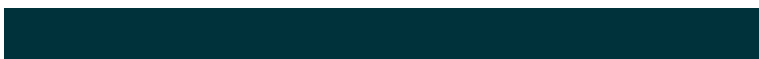
13.8792, 0.1649, 0.1137



18.3304, 0.2980, 0.3255



28.5380, 0.2120, 0.2830



2.6165, 0.2137, 0.2894

Inverse Universe

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



24.0697, 0.3614, 0.1765



26.3515, 0.3615, 0.1765



42.9184, 0.5042, 0.4379



16.7252, 0.3160, 0.3090



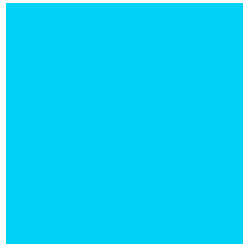
12.9803, 0.3607, 0.1761



1.1518, 0.3549, 0.1729

Previews

White Background



This preview shows how the Yxy color 52.6858, 0.2117, 0.2822 looks on a white background.

Color Contrast Check

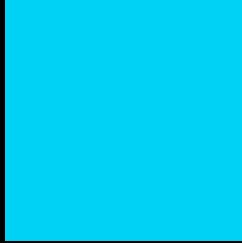
Large Text (above 18pt) WCAG AA × Fail

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 52.6858, 0.2117, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

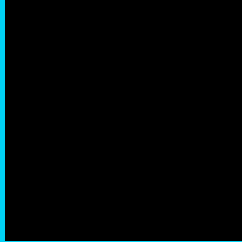
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.6858, 0.2117, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 52.6858, 0.2117, 0.2822.

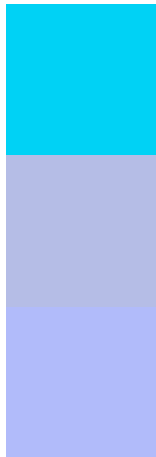


This preview shows how white text looks on a background with the Yxy color 52.6858, 0.2117, 0.2822.

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

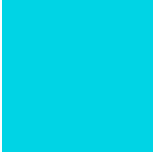
52.6858, 0.2117, 0.2822

Protanopia

51.9321, 0.2776, 0.2797

Deuteranopia

51.7899, 0.2624, 0.2556



Tritanopia

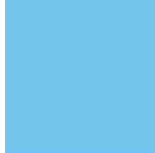
52.7441, 0.2182, 0.3053

Trichromacy



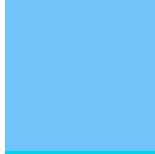
Original Color

52.6858, 0.2117, 0.2822



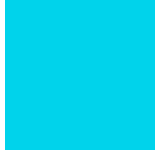
Protanomaly

49.5755, 0.2367, 0.2792



Deuteranomaly

49.3182, 0.2294, 0.2615



Tritanomaly

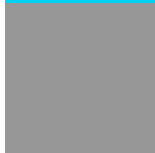
52.5867, 0.2156, 0.2961

Monochromacy



Original Color

52.6858, 0.2117, 0.2822



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.4946, 0.2462, 0.3084

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6858, 0.2117, 0.2822 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, 210, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 245)  
}
```

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, 210, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 245) }
```

Border

The CSS property to change the border of an element to Yxy 52.6858, 0.2117, 0.2822 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, 210, 245) }
```

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

```
.border{ border-color:rgb(0, 210, 245) }
```

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

Here you see how a box with a 4 pixel rgb(0, 210, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6858, 0.2117, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 245) }
```

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

```
.background{ background-color: rgb(0, 210,  
245) }
```

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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