

Converting Colors

$Y_{xy}(49.1705, 0.1418, 0.2604)$

Have a look what the booklet for
Yxy(49.1705, 0.1418, 0.2604)
contains.

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Color

Yxy(57.8830, 0.2119, 0.2827)

Conversions

Conversions Part 1

Format	Color
Hex	01DBFF
RGB	1, 219, 255
RGB Percent	0%, 86%, 100%
CMY	0.9967, 0.1412, 0.0001
CMYK	1.00, 0.14, 0.00, 0.00
HSL	188°, 100%, 50%
HSV	188°, 100%, 100%
XYZ	43.3867, 57.8830, 103.4810
YIQ	157.9220, -141.4840, -35.0200

Conversions

Conversions Part 2

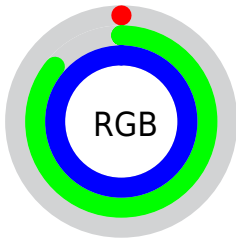
Format	Color
R_{YB}	1, 118, 255
Decimal	121855
CIE _{Lab}	80.67, -31.71, -29.96
CIE _{LCh}	81, 43.625, 223.369
Yxy	57.8830, 0.2119, 0.2827
Android (android.graphics.Color)	4278311935 (0xFF01DBFF)
YUV	157.9220, 47.8595, -137.6206
Hunter-Lab	76.0809, -31.3483, -27.3863

Details

The Yxy color **57.8830, 0.2119, 0.2827** 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 **22.5718, 0.6287, 0.3387**, and the grayscale version is **33.9568, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **30.6281, 0.2092, 0.2730** is the 20% darker color. If you saturate the color by 10%, you get **57.8177, 0.2118, 0.2825**, and if you desaturate by 10%, it is **60.0083, 0.2146, 0.2877**.

Distribution



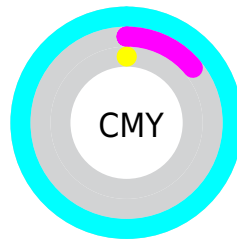
- Red (0%)
- Green (86%)
- Blue (100%)



- Red (0%)
- Yellow (46%)
- Blue (100%)



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




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


Brightness & Saturation Gradients


These gradients show how the Yxy color 57.8830, 0.2119, 0.2827 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 57.8830, 0.2119, 0.2827 by changing the saturation by 10% instead.


 57.8830, 0.2119,
0.2827


 57.8830, 0.2119,
0.2827


 416.7498, 0.2581,
0.3063


 41.7146, 0.2017,
0.2768


 101.7525, 0.2277,
0.2913

 28.8779, 0.1892,
0.2694


 130.2223, 0.2339,
0.2945


 18.9885, 0.1738,
0.2597


 163.5614, 0.2393,
0.2972

 11.6619, 0.1544,
0.2466

 202.1542, 0.2440,
0.2996

 6.5139, 0.1297,
0.2282

 246.3850, 0.2482,
0.3016

 3.1600, 0.0977,
0.2012

 296.6383, 0.2518,

 1.2158, 0.0464,

0.3034

0.1615

353.2985, 0.2551,
0.3049

■ 0.0746, 0.0000,
0.0264

■ 0.0000, 0.0000,
0.0000

■ 57.8830, 0.2119,
0.2827

■ 57.8830, 0.2119,
0.2827

■ 57.8177, 0.2118,
0.2825

■ 60.0083, 0.2146,
0.2877

■ 62.4557, 0.2189,
0.2927

■ 65.3089, 0.2252,
0.2978

■ 68.6196, 0.2334,
0.3029

■ 72.4315, 0.2435,
0.3078

■ 76.7827, 0.2553,
0.3126

■ 81.7073, 0.2685,
0.3172

■ 87.2367, 0.2827,
0.3215

■ 93.3996, 0.2977,
0.3255

Harmonies

Analogous

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



57.8830, 0.2305, 0.3347



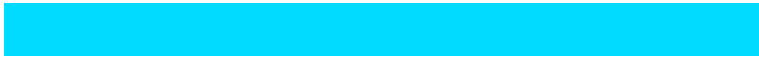
57.8830, 0.2119, 0.2827



57.8830, 0.2170, 0.2501

Triad

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



57.8830, 0.2119, 0.2827



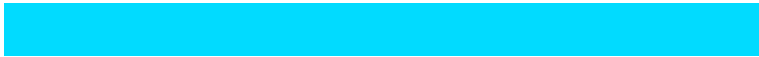
57.8830, 0.3499, 0.2764



57.8830, 0.3784, 0.4285

Complementary

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



57.8830, 0.2119, 0.2827



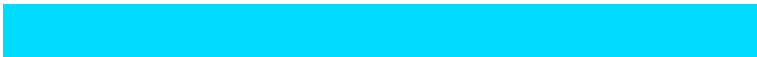
22.5718, 0.6287, 0.3387

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.



57.8830, 0.4160, 0.4006



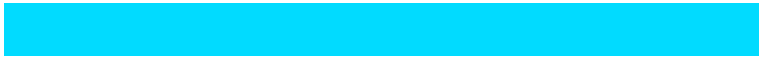
57.8830, 0.2119, 0.2827



57.8830, 0.4006, 0.3150

Square

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



57.8830, 0.2119, 0.2827



57.8830, 0.2922, 0.2496



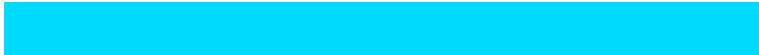
57.8830, 0.4252, 0.3590



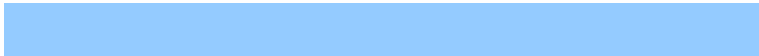
57.8830, 0.3250, 0.4277

Rectangle

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



57.8830, 0.2119, 0.2827



57.8830, 0.2331, 0.2408



57.8830, 0.4252, 0.3590



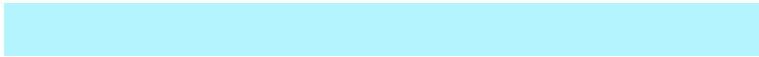
57.8830, 0.3934, 0.4216

Sweetspot

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



57.8851, 0.2119, 0.2827



81.5458, 0.2680, 0.3171



71.6365, 0.2976, 0.5911



16.9960, 0.2623, 0.3152



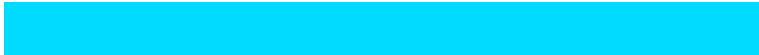
0.0000, 0.0000, 0.0000



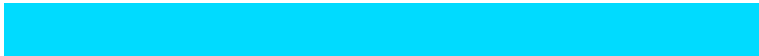
21.4041, 0.3127, 0.3290

Same Dimension

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



57.8851, 0.2119, 0.2827



57.8247, 0.2118, 0.2825



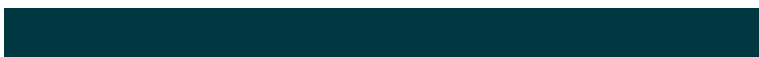
15.2345, 0.1651, 0.1140



20.0170, 0.2980, 0.3255



30.3830, 0.2121, 0.2834



3.0734, 0.2136, 0.2891

Inverse Universe

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



26.3898, 0.3610, 0.1763



26.3686, 0.3611, 0.1763



47.0291, 0.5039, 0.4379



18.2535, 0.3160, 0.3088



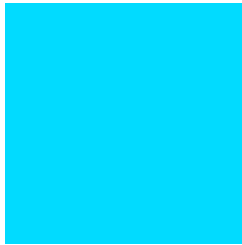
13.7952, 0.3604, 0.1759



1.3548, 0.3552, 0.1730

Previews

White Background



This preview shows how the Yxy color 57.8830, 0.2119, 0.2827 looks on a white background.

Color Contrast Check

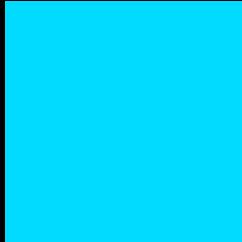
Large Text (above 18pt) WCAG AA × Fail

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 57.8830, 0.2119, 0.2827 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 57.8830, 0.2119, 0.2827

Background



This preview shows how black text looks on a background with the Yxy color 57.8830, 0.2119, 0.2827.

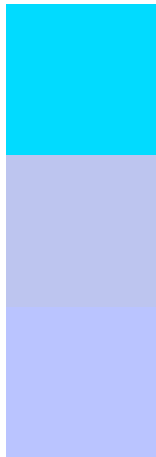


This preview shows how white text looks on a background with the Yxy color 57.8830, 0.2119, 0.2827.

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

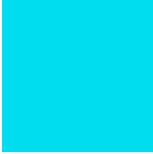
57.8895, 0.2119, 0.2827

Protanopia

56.9833, 0.2782, 0.2804

Deuteranopia

57.1390, 0.2665, 0.2624



Tritanopia

57.8859, 0.2184, 0.3062

Trichromacy



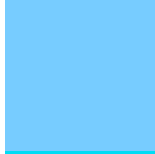
Original Color

57.8895, 0.2119, 0.2827



Protanomaly

54.3202, 0.2370, 0.2786



Deuteranomaly

54.3277, 0.2314, 0.2661



Tritanomaly

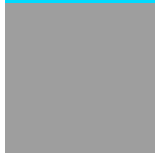
57.7181, 0.2159, 0.2973

Monochromacy



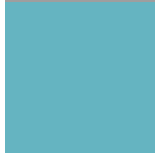
Original Color

57.8895, 0.2119, 0.2827



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

39.2595, 0.2467, 0.3092

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.8830, 0.2119, 0.2827 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 219, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 57.8830, 0.2119, 0.2827 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, 255) }
```

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

```
.border{ border-color:rgb(1, 219, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 57.8830, 0.2119, 0.2827 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, 255) }
```

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

```
.background{ background-color: rgb(1, 219,  
255) }
```

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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