

Converting Colors

$Y_{xy}(56.6102, 0.2126, 0.2852)$

Have a look what the booklet for
Yxy(56.6102, 0.2126, 0.2852)
contains.

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Color

Yxy(56.5972, 0.2125, 0.2847)

Conversions

Conversions Part 1

Format	Color
Hex	02D9FB
RGB	2, 217, 251
RGB Percent	1%, 85%, 98%
CMY	0.9925, 0.1490, 0.0157
CMYK	0.99, 0.14, 0.00, 0.02
HSL	188°, 98%, 50%
HSV	188°, 99%, 98%
XYZ	42.2441, 56.5972, 99.9546
YIQ	156.5910, -139.0540, -35.0060

Conversions

Conversions Part 2

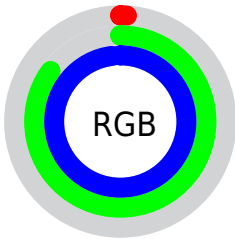
Format	Color
R_{YB}	2, 117, 251
Decimal	186875
CIE _{Lab}	79.95, -32.01, -28.94
CIE _{LCh}	80, 43.157, 222.114
Yxy	56.5972, 0.2125, 0.2847
Android (android.graphics.Color)	4278376955 (0xFF02D9FB)
YUV	156.5910, 46.5436, -135.5763
Hunter-Lab	75.2311, -31.4223, -26.1129

Details

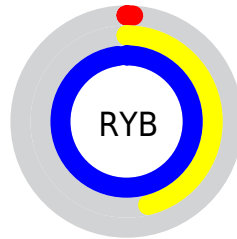
The Yxy color **56.5972, 0.2125, 0.2847** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.7670, 0.6285, 0.3385**, and the grayscale version is **33.3420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **29.7357, 0.2098, 0.2754** is the 20% darker color. If you saturate the color by 10%, you get **56.4531, 0.2123, 0.2843**, and if you desaturate by 10%, it is **58.6042, 0.2152, 0.2895**.

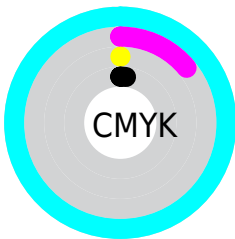
Distribution



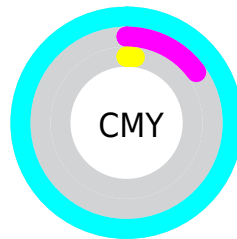
- Red (1%)
- Green (85%)
- Blue (98%)



- Red (1%)
- Yellow (46%)
- Blue (98%)



- Cyan (99%)
- Magenta (14%)
- Yellow (0%)
- Black (2%)




- Cyan (99%)
- Magenta (15%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.5972, 0.2125, 0.2847 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 56.5972, 0.2125, 0.2847 by changing the saturation by 10% instead.


 56.5972, 0.2125,
0.2847


 56.5972, 0.2125,
0.2847


 411.9382, 0.2586,
0.3075


 40.6819, 0.2022,
0.2790


 99.8772, 0.2283,
0.2930


 28.0706, 0.1897,
0.2717


 128.0107, 0.2346,
0.2961


 18.3789, 0.1741,
0.2622

 160.9858, 0.2399,
0.2988

 11.2224, 0.1545,
0.2492

 199.1869, 0.2446,
0.3010

 6.2166, 0.1293,
0.2309

 242.9982, 0.2487,
0.3030

 2.9772, 0.0967,
0.2036

 292.8043, 0.2524,

 1.1199, 0.0389,

0.3047

0.1639

348.9895, 0.2557,
0.3062

■ 0.0000, 0.0000,
0.0000

■ 56.5972, 0.2125,
0.2847

■ 56.5972, 0.2125,
0.2847

■ 56.4531, 0.2123,
0.2843

■ 58.6042, 0.2152,
0.2895

■ 60.9251, 0.2196,
0.2943

■ 63.6367, 0.2258,
0.2992

■ 66.7884, 0.2341,
0.3041

■ 70.4218, 0.2442,
0.3088

■ 74.5734, 0.2560,
0.3135

■ 79.2758, 0.2691,
0.3178

■ 84.5591, 0.2834,
0.3220

■ 90.4508, 0.2984,
0.3258

Harmonies

Analogous

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



56.5972, 0.2321, 0.3372



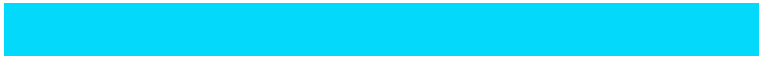
56.5972, 0.2125, 0.2847



56.5972, 0.2166, 0.2513

Triad

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



56.5972, 0.2125, 0.2847



56.5972, 0.3474, 0.2751



56.5972, 0.3802, 0.4274

Complementary

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



56.5972, 0.2125, 0.2847



21.7670, 0.6285, 0.3385

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.



56.5972, 0.4167, 0.3988



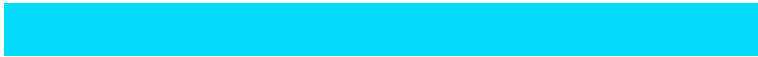
56.5972, 0.2125, 0.2847



56.5972, 0.3986, 0.3133

Square

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



56.5972, 0.2125, 0.2847



56.5972, 0.2900, 0.2490



56.5972, 0.4245, 0.3571



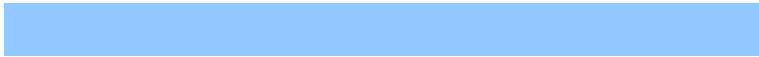
56.5972, 0.3273, 0.4281

Rectangle

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



56.5972, 0.2125, 0.2847



56.5972, 0.2321, 0.2414



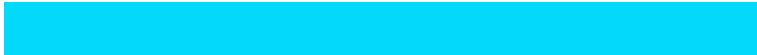
56.5972, 0.4245, 0.3571



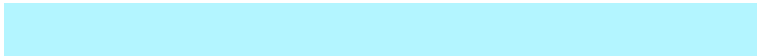
56.5972, 0.3948, 0.4203

Sweetspot

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



56.5992, 0.2125, 0.2847



81.7827, 0.2680, 0.3175



69.1219, 0.2975, 0.5905



17.0534, 0.2624, 0.3157



0.0000, 0.0000, 0.0000



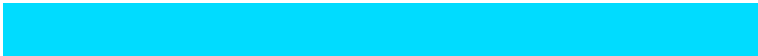
21.4041, 0.3127, 0.3290

Same Dimension

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



56.5992, 0.2125, 0.2847



58.5102, 0.2123, 0.2843



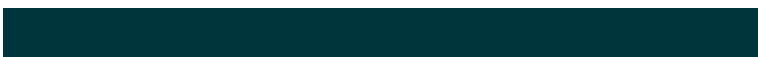
14.8466, 0.1654, 0.1149



19.1808, 0.2980, 0.3257



29.8364, 0.2125, 0.2851



2.8714, 0.2141, 0.2909

Inverse Universe

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



25.5580, 0.3591, 0.1754



26.4378, 0.3595, 0.1754



45.5345, 0.5033, 0.4382



17.4814, 0.3159, 0.3088



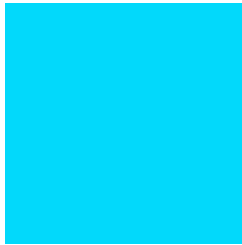
13.4229, 0.3587, 0.1750



1.2541, 0.3535, 0.1721

Previews

White Background



This preview shows how the Yxy color 56.5972, 0.2125, 0.2847 looks on a white background.

Color Contrast Check

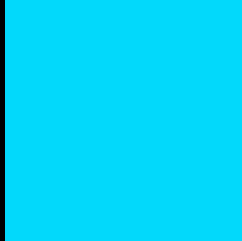
Large Text (above 18pt) WCAG AA × Fail

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 56.5972, 0.2125, 0.2847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

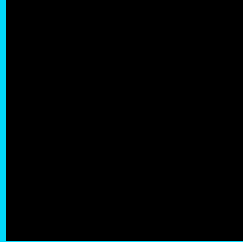
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.5972, 0.2125, 0.2847

Background



This preview shows how black text looks on a background with the Yxy color 56.5972, 0.2125, 0.2847.



This preview shows how white text looks on a background with the Yxy color 56.5972, 0.2125, 0.2847.

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

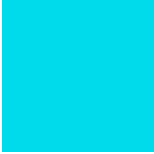
56.6036, 0.2125, 0.2847

Protanopia

55.7777, 0.2792, 0.2812

Deuteranopia

55.5503, 0.2649, 0.2587



Tritanopia

56.7192, 0.2183, 0.3060

Trichromacy



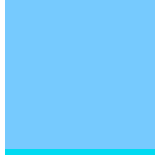
Original Color

56.6036, 0.2125, 0.2847



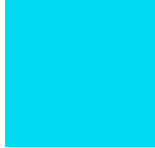
Protanomaly

53.0558, 0.2378, 0.2805



Deuteranomaly

53.2484, 0.2309, 0.2645



Tritanomaly

56.5001, 0.2162, 0.2983

Monochromacy



Original Color

56.6036, 0.2125, 0.2847



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

38.7685, 0.2475, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.5972, 0.2125, 0.2847 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(2, 217, 251)` looks like.

```
.text, #text, p{  
    color:rgb(2, 217, 251)  
}
```

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(2, 217, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 217, 251) }
```

Border

The CSS property to change the border of an element to Yxy 56.5972, 0.2125, 0.2847 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(2, 217, 251) }
```

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

```
.border{ border-color:rgb(2, 217, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 217, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 217, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 217, 251);  
box-shadow:4px 4px 4px 4px rgb(2, 217,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 56.5972, 0.2125, 0.2847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 217, 251) }
```

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

```
.background{ background-color: rgb(2, 217,  
251) }
```

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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