

Converting Colors

$Y_{xy}(57.9747, 0.2129, 0.2863)$

Have a look what the booklet for
Yxy(57.9747, 0.2129, 0.2863)
contains.

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Color

Yxy(57.6978, 0.2129, 0.2862)

Conversions

Conversions Part 1

Format	Color
Hex	02DBFC
RGB	2, 219, 252
RGB Percent	1%, 86%, 99%
CMY	0.9941, 0.1412, 0.0117
CMYK	0.99, 0.13, 0.00, 0.01
HSL	188°, 99%, 50%
HSV	188°, 99%, 99%
XYZ	42.9206, 57.6978, 100.9812
YIQ	157.8790, -139.9250, -35.7410

Conversions

Conversions Part 2

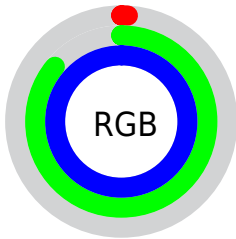
Format	Color
R_{YB}	2, 118, 252
Decimal	187388
CIE _{Lab}	80.57, -32.65, -28.54
CIE _{LCh}	81, 43.366, 221.155
Yxy	57.6978, 0.2129, 0.2862
Android (android.graphics.Color)	4278377468 (0xFF02DBFC)
YUV	157.8790, 46.4017, -136.7059
Hunter-Lab	75.9591, -32.0672, -25.6498

Details

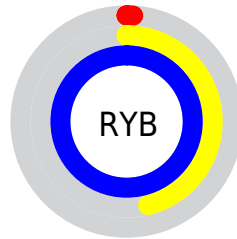
The Yxy color **57.6978, 0.2129, 0.2862** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.8764, 0.6294, 0.3379**, and the grayscale version is **33.8984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **30.4910, 0.2104, 0.2774** is the 20% darker color. If you saturate the color by 10%, you get **57.5858, 0.2128, 0.2859**, and if you desaturate by 10%, it is **59.6699, 0.2155, 0.2908**.

Distribution



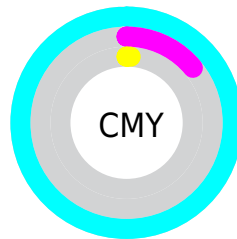
- Red (1%)
- Green (86%)
- Blue (99%)



- Red (1%)
- Yellow (46%)
- Blue (99%)



- Cyan (99%)
- Magenta (13%)
- Yellow (0%)
- Black (1%)





- Cyan (99%)
- Magenta (14%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.6978, 0.2129, 0.2862 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 57.6978, 0.2129, 0.2862 by changing the saturation by 10% instead.


 57.6978, 0.2129,
0.2862

 57.6978, 0.2129,
0.2862

416.0589, 0.2587,
0.3082


 41.5657, 0.2027,
0.2807


 101.4827, 0.2286,
0.2942

 28.7614, 0.1903,
0.2737


 129.9042, 0.2348,
0.2973


 18.9004, 0.1749,
0.2645


 163.1911, 0.2401,
0.2998

 11.5983, 0.1556,
0.2519

 201.7277, 0.2448,
0.3020

 6.4708, 0.1307,
0.2342

 245.8984, 0.2489,
0.3039

 3.1334, 0.0985,
0.2078

296.0876, 0.2525,

 1.2018, 0.0443,

0.3055

0.1690

352.6796, 0.2558,
0.3069

■ 0.0632, 0.0000,
0.0243

■ 0.0000, 0.0000,
0.0000

■ 57.6978, 0.2129,
0.2862

■ 57.6978, 0.2129,
0.2862

■ 57.5858, 0.2128,
0.2859

■ 59.6699, 0.2155,
0.2908

■ 61.9541, 0.2198,
0.2955

■ 64.6293, 0.2260,
0.3002

■ 67.7458, 0.2341,
0.3049

■ 71.3454, 0.2441,
0.3095

■ 75.4652, 0.2558,
0.3139

■ 80.1382, 0.2689,
0.3182

■ 85.3946, 0.2832,
0.3221

■ 91.2623, 0.2982,
0.3258

Harmonies

Analogous

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



57.6978, 0.2332, 0.3390



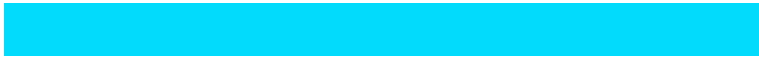
57.6978, 0.2129, 0.2862



57.6978, 0.2162, 0.2521

Triad

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



57.6978, 0.2129, 0.2862



57.6978, 0.3455, 0.2741



57.6978, 0.3816, 0.4267

Complementary

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



57.6978, 0.2129, 0.2862



21.8764, 0.6294, 0.3379

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.



57.6978, 0.4173, 0.3975



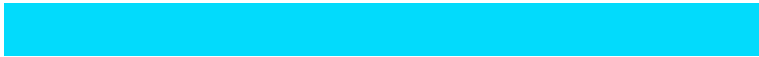
57.6978, 0.2129, 0.2862



57.6978, 0.3971, 0.3120

Square

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



57.6978, 0.2129, 0.2862



57.6978, 0.2883, 0.2486



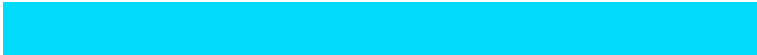
57.6978, 0.4240, 0.3557



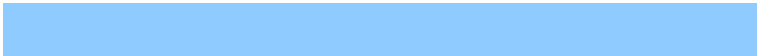
57.6978, 0.3291, 0.4285

Rectangle

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



57.6978, 0.2129, 0.2862



57.6978, 0.2312, 0.2417



57.6978, 0.4240, 0.3557



57.6978, 0.3960, 0.4193

Sweetspot

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



57.6999, 0.2129, 0.2862



81.9984, 0.2681, 0.3179



69.7374, 0.2980, 0.5925



17.1057, 0.2624, 0.3161



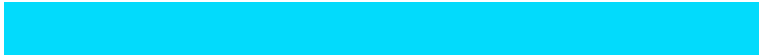
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



57.6999, 0.2129, 0.2862



59.1378, 0.2128, 0.2859



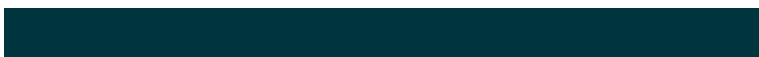
15.6887, 0.1666, 0.1192



19.1953, 0.2980, 0.3258



30.1501, 0.2130, 0.2867



2.8974, 0.2145, 0.2922

Inverse Universe

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



25.8454, 0.3578, 0.1746



26.5011, 0.3581, 0.1746



44.4753, 0.5082, 0.4343



17.4829, 0.3158, 0.3087



13.4546, 0.3573, 0.1742



1.2567, 0.3523, 0.1715

Previews

White Background



This preview shows how the Yxy color 57.6978, 0.2129, 0.2862 looks on a white background.

Color Contrast Check

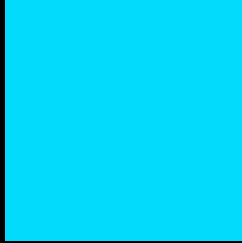
Large Text (above 18pt) WCAG AA × Fail

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 57.6978, 0.2129, 0.2862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

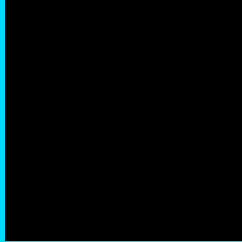
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.6978, 0.2129, 0.2862

Background



This preview shows how black text looks on a background with the Yxy color 57.6978, 0.2129, 0.2862.



This preview shows how white text looks on a background with the Yxy color 57.6978, 0.2129, 0.2862.

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

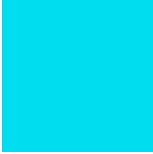
57.7042, 0.2129, 0.2862

Protanopia

56.9358, 0.2808, 0.2838

Deuteranopia

56.8150, 0.2671, 0.2614



Tritanopia

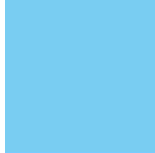
57.8859, 0.2184, 0.3062

Trichromacy



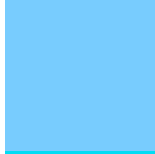
Original Color

57.7042, 0.2129, 0.2862



Protanomaly

54.1384, 0.2383, 0.2821



Deuteranomaly

54.3346, 0.2323, 0.2672



Tritanomaly

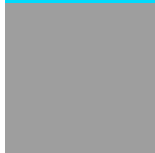
57.6639, 0.2163, 0.2985

Monochromacy



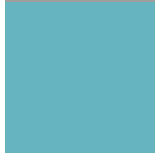
Original Color

57.7042, 0.2129, 0.2862



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

39.2150, 0.2472, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.6978, 0.2129, 0.2862 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, 219, 252)` looks like.

```
.text, #text, p{  
    color:rgb(2, 219, 252)  
}
```

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, 219, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 219, 252) }
```

Border

The CSS property to change the border of an element to Yxy 57.6978, 0.2129, 0.2862 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, 219, 252) }
```

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

```
.border{ border-color:rgb(2, 219, 252) }
```

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

Here you see how a box with a 4 pixel rgb(2, 219, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 219, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 219, 252);  
box-shadow:4px 4px 4px 4px rgb(2, 219,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 57.6978, 0.2129, 0.2862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 219, 252) }
```

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

```
.background{ background-color: rgb(2, 219,  
252) }
```

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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