

Converting Colors

$Y_{xy}(51.2069, 0.2047, 0.2841)$

Have a look what the booklet for
Yxy(51.2069, 0.2047, 0.2841)
contains.

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Color

Yxy(52.5040, 0.2128, 0.2859)

Conversions

Conversions Part 1

Format	Color
Hex	01D2F2
RGB	1, 210, 242
RGB Percent	0%, 82%, 95%
CMY	0.9961, 0.1765, 0.0511
CMYK	1.00, 0.13, 0.00, 0.05
HSL	188°, 99%, 48%
HSV	188°, 100%, 95%
XYZ	39.0796, 52.5040, 92.0611
YIQ	151.1570, -134.8360, -34.3560

Conversions

Conversions Part 2

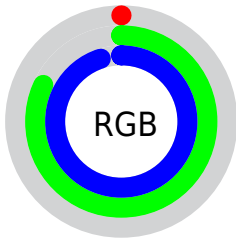
Format	Color
R _Y B	1, 113, 242
Decimal	119538
CIE Lab	77.58, -31.57, -27.77
CIE LCh	78, 42.047, 221.339
Yxy	52.5040, 0.2128, 0.2859
Android (android.graphics.Color)	4278309618 (0xFF01D2F2)
YUV	151.1570, 44.7856, -131.6877
Hunter-Lab	72.4596, -30.5342, -24.6071

Details

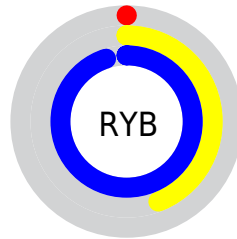
The Yxy color **52.5040, 0.2128, 0.2859** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **19.9628, 0.6293, 0.3381**, and the grayscale version is **30.8637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **26.9879, 0.2097, 0.2750** is the 20% darker color. If you saturate the color by 10%, you get **52.4336, 0.2127, 0.2857**, and if you desaturate by 10%, it is **54.3105, 0.2155, 0.2905**.

Distribution



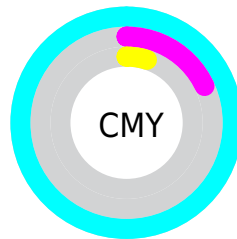
- Red (0%)
- Green (82%)
- Blue (95%)



- Red (0%)
- Yellow (44%)
- Blue (95%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (18%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5040, 0.2128, 0.2859 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 52.5040, 0.2128, 0.2859 by changing the saturation by 10% instead.


 52.5040, 0.2128,
0.2859


 52.5040, 0.2128,
0.2859


396.3793, 0.2594,
0.3084

 37.4070, 0.2022,
0.2802


 93.8741, 0.2289,
0.2942


 25.5227, 0.1893,
0.2728


 120.9160, 0.2352,
0.2973


 16.4669, 0.1732,
0.2630


 152.7082, 0.2407,
0.2999

 9.8552, 0.1526,
0.2496

 189.6353, 0.2454,
0.3021

 5.3030, 0.1260,
0.2302

 232.0815, 0.2495,
0.3040

 2.4261, 0.0912,
0.2007

280.4313, 0.2532,

 0.8393, 0.0052,

0.3057

0.1606

335.0691, 0.2565,
0.3071

■ 0.0000, 0.0000,
0.0000

■ 52.5040, 0.2128,
0.2859

■ 52.5040, 0.2128,
0.2859

■ 52.4336, 0.2127,
0.2857

■ 54.3105, 0.2155,
0.2905

■ 56.3982, 0.2197,
0.2952

■ 58.8412, 0.2259,
0.3000

■ 61.6851, 0.2340,
0.3047

■ 64.9679, 0.2440,
0.3093

■ 68.7232, 0.2557,
0.3138

■ 72.9808, 0.2688,
0.3180

■ 77.7682, 0.2829,
0.3220

■ 83.1108, 0.2979,
0.3257

Harmonies

Analogous

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



52.5040, 0.2329, 0.3387



52.5040, 0.2128, 0.2859



52.5040, 0.2163, 0.2519

Triad

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



52.5040, 0.2128, 0.2859



52.5040, 0.3459, 0.2743



52.5040, 0.3813, 0.4269

Complementary

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



52.5040, 0.2128, 0.2859



19.9628, 0.6293, 0.3381

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.



52.5040, 0.4172, 0.3978



52.5040, 0.2128, 0.2859



52.5040, 0.3974, 0.3122

Square

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



52.5040, 0.2128, 0.2859



52.5040, 0.2886, 0.2486



52.5040, 0.4241, 0.3560



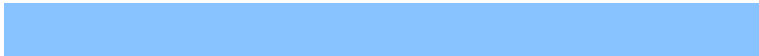
52.5040, 0.3288, 0.4285

Rectangle

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



52.5040, 0.2128, 0.2859



52.5040, 0.2314, 0.2416



52.5040, 0.4241, 0.3560



52.5040, 0.3958, 0.4195

Sweetspot

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



52.5059, 0.2128, 0.2859



81.9559, 0.2681, 0.3178



63.5873, 0.2980, 0.5925



17.0953, 0.2624, 0.3160



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.



52.5059, 0.2128, 0.2859



59.0138, 0.2127, 0.2856



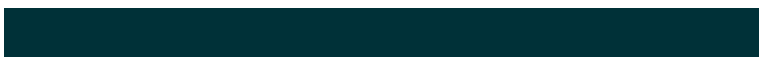
14.3112, 0.1665, 0.1193



17.5501, 0.2981, 0.3258



28.3195, 0.2129, 0.2865



2.4543, 0.2146, 0.2926

Inverse Universe

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



23.5481, 0.3580, 0.1747



26.4886, 0.3583, 0.1748



40.5625, 0.5082, 0.4344



15.9932, 0.3158, 0.3088



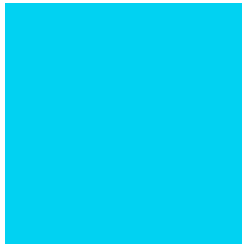
12.6522, 0.3575, 0.1743



1.0625, 0.3520, 0.1713

Previews

White Background



This preview shows how the Yxy color 52.5040, 0.2128, 0.2859 looks on a white background.

Color Contrast Check

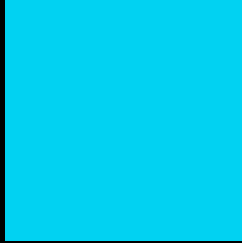
Large Text (above 18pt) WCAG AA × Fail

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 52.5040, 0.2128, 0.2859 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

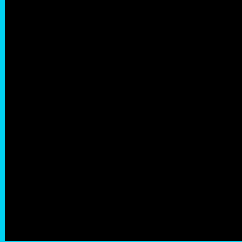
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.5040, 0.2128, 0.2859

Background



This preview shows how black text looks on a background with the Yxy color 52.5040, 0.2128, 0.2859.

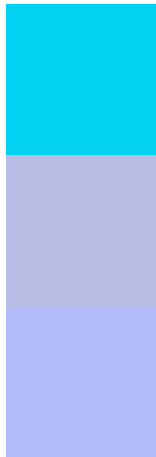


This preview shows how white text looks on a background with the Yxy color 52.5040, 0.2128, 0.2859.

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

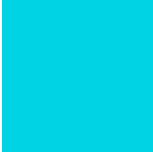
52.5104, 0.2128, 0.2859

Protanopia

51.4576, 0.2802, 0.2819

Deuteranopia

51.7210, 0.2648, 0.2588



Tritanopia

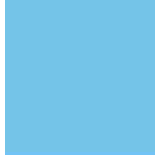
52.6884, 0.2185, 0.3066

Trichromacy



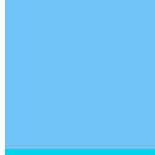
Original Color

52.5104, 0.2128, 0.2859



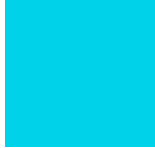
Protanomaly

49.0191, 0.2384, 0.2815



Deuteranomaly

49.2002, 0.2311, 0.2649



Tritanomaly

52.4717, 0.2163, 0.2987

Monochromacy



Original Color

52.5104, 0.2128, 0.2859



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.4525, 0.2468, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5040, 0.2128, 0.2859 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, 210, 242)` looks like.

```
.text, #text, p{  
    color:rgb(1, 210, 242)  
}
```

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, 210, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 210, 242) }
```

Border

The CSS property to change the border of an element to Yxy 52.5040, 0.2128, 0.2859 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, 210, 242) }
```

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

```
.border{ border-color:rgb(1, 210, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 210, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 210, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 210, 242);  
box-shadow:4px 4px 4px 4px rgb(1, 210,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5040, 0.2128, 0.2859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 210, 242) }
```

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

```
.background{ background-color: rgb(1, 210,  
242) }
```

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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