

Converting Colors

$Y_{xy}(50.1252, 0.2078, 0.2681)$

Have a look what the booklet for
Yxy(50.1252, 0.2078, 0.2681)
contains.

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Color

Yxy(50.0879, 0.2077, 0.2679)

Conversions

Conversions Part 1

Format	Color
Hex	00CCFA
RGB	0, 204, 250
RGB Percent	0%, 80%, 98%
CMY	1.0000, 0.1999, 0.0197
CMYK	1.00, 0.18, 0.00, 0.02
HSL	191°, 100%, 49%
HSV	191°, 100%, 98%
XYZ	38.8326, 50.0879, 98.0444
YIQ	148.2480, -136.3500, -28.9420

Conversions

Conversions Part 2

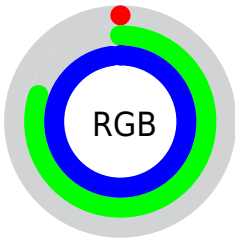
Format	Color
RYB	0, 112, 250
Decimal	52474
CIELab	76.12, -26.07, -34.30
CIELCh	76, 43.081, 232.762
Yxy	50.0879, 0.2077, 0.2679
Android (android.graphics.Color)	4278242554 (0xFF00CCFA)
YUV	148.2480, 50.1637, -130.0135
Hunter-Lab	70.7728, -25.9105, -32.5958

Details

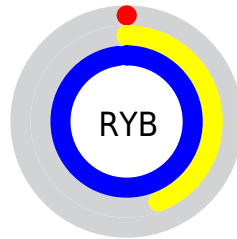
The Yxy color **50.0879, 0.2077, 0.2679** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.2702, 0.6230, 0.3435**, and the grayscale version is **29.5576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **25.6629, 0.2043, 0.2553** is the 20% darker color. If you saturate the color by 10%, you get **50.0980, 0.2078, 0.2679**, and if you desaturate by 10%, it is **52.5218, 0.2110, 0.2745**.

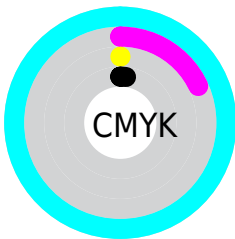
Distribution



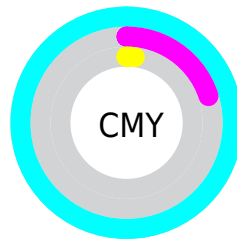
- Red (0%)
- Green (80%)
- Blue (98%)



- Red (0%)
- Yellow (44%)
- Blue (98%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (2%)




- Cyan (100%)
- Magenta (20%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0879, 0.2077, 0.2679 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 50.0879, 0.2077, 0.2679 by changing the saturation by 10% instead.

 50.0879, 0.2077,
0.2679

 50.0879, 0.2077,
0.2679


387.0096, 0.2568,
0.2990


 35.4832, 0.1966,
0.2602


 90.3051, 0.2247,
0.2792


 24.0354, 0.1831,
0.2505


 116.6864, 0.2313,
0.2834


 15.3599, 0.1663,
0.2378


 147.7621, 0.2370,
0.2870

 9.0723, 0.1450,
0.2208

 183.9165, 0.2420,
0.2901

 4.7884, 0.1177,
0.1972

 225.5341, 0.2464,
0.2928

 2.1236, 0.0829,
0.1631

272.9992, 0.2502,

 0.6779, 0.0013,

0.2951

0.1157

326.6962, 0.2537,
0.2971

■ 0.0000, 0.0000,
0.0000

■ 50.0879, 0.2077,
0.2679

■ 50.0879, 0.2077,
0.2679

■ 50.0980, 0.2078,
0.2679

■ 52.5218, 0.2110,
0.2745

■ 55.2754, 0.2158,
0.2812

■ 58.4408, 0.2226,
0.2880

■ 62.0678, 0.2314,
0.2947

■ 66.1986, 0.2420,
0.3012

■ 70.8697, 0.2541,
0.3075

■ 76.1142, 0.2676,
0.3135

■ 81.9622, 0.2821,
0.3191

■ 88.4415, 0.2972,
0.3243

Harmonies

Analogous

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



50.0879, 0.2191, 0.3163



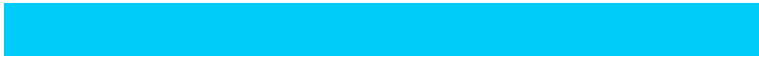
50.0879, 0.2077, 0.2679



50.0879, 0.2204, 0.2417

Triad

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



50.0879, 0.2077, 0.2679



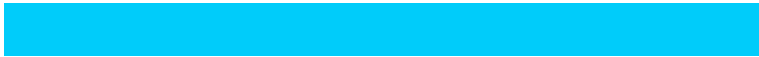
50.0879, 0.3695, 0.2860



50.0879, 0.3642, 0.4358

Complementary

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



50.0879, 0.2077, 0.2679



22.2702, 0.6230, 0.3435

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.



50.0879, 0.4099, 0.4140



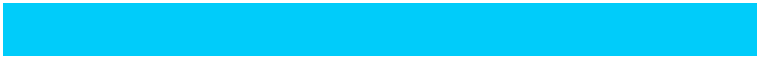
50.0879, 0.2077, 0.2679



50.0879, 0.4154, 0.3283

Square

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



50.0879, 0.2077, 0.2679



50.0879, 0.3096, 0.2540



50.0879, 0.4300, 0.3738



50.0879, 0.3070, 0.4236

Rectangle

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



50.0879, 0.2077, 0.2679



50.0879, 0.2417, 0.2368



50.0879, 0.4300, 0.3738



50.0879, 0.3814, 0.4316

Sweetspot

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



50.0980, 0.2078, 0.2679



79.6175, 0.2676, 0.3135



68.5533, 0.2958, 0.5850



16.5298, 0.2618, 0.3110



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.



50.0980, 0.2078, 0.2679



52.3919, 0.2077, 0.2678



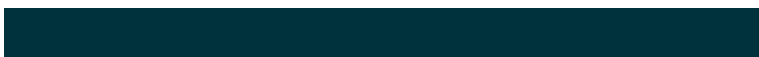
12.5157, 0.1613, 0.1006



19.0340, 0.2980, 0.3245



26.7760, 0.2081, 0.2690



2.6160, 0.2103, 0.2770

Inverse Universe

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



24.6807, 0.3748, 0.1838



25.8201, 0.3749, 0.1839



49.3770, 0.4904, 0.4488



17.4666, 0.3166, 0.3099



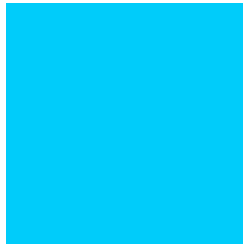
13.1140, 0.3738, 0.1833



1.2283, 0.3663, 0.1791

Previews

White Background



This preview shows how the Yxy color 50.0879, 0.2077, 0.2679 looks on a white background.

Color Contrast Check

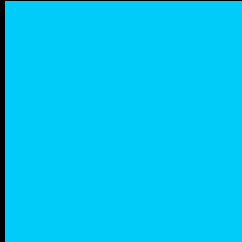
Large Text (above 18pt) WCAG AA × Fail

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 50.0879, 0.2077, 0.2679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

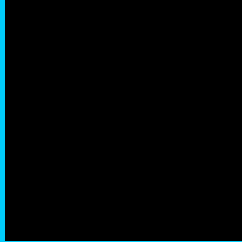
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0879, 0.2077, 0.2679

Background



This preview shows how black text looks on a background with the Yxy color 50.0879, 0.2077, 0.2679.

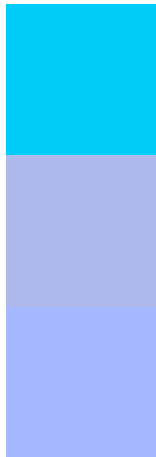


This preview shows how white text looks on a background with the Yxy color 50.0879, 0.2077, 0.2679.

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

50.0879, 0.2077, 0.2679

Protanopia

49.2778, 0.2690, 0.2673

Deuteranopia

49.5003, 0.2514, 0.2454



Tritanopia

49.9534, 0.2184, 0.3062

Trichromacy



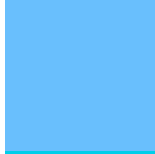
Original Color

50.0879, 0.2077, 0.2679



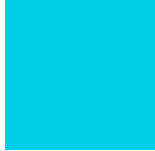
Protanomaly

46.9324, 0.2309, 0.2649



Deuteranomaly

47.3567, 0.2227, 0.2501



Tritanomaly

50.0258, 0.2143, 0.2915

Monochromacy



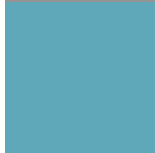
Original Color

50.0879, 0.2077, 0.2679



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

33.8877, 0.2439, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0879, 0.2077, 0.2679 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, 204, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 250)  
}
```

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, 204, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 250) }
```

Border

The CSS property to change the border of an element to Yxy 50.0879, 0.2077, 0.2679 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, 204, 250) }
```

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

```
.border{ border-color:rgb(0, 204, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0879, 0.2077, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 250) }
```

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

```
.background{ background-color: rgb(0, 204,  
250) }
```

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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