

Converting Colors

$Y_{xy}(51.8672, 0.2083, 0.2697)$

Have a look what the booklet for
Yxy(51.8672, 0.2083, 0.2697)
contains.

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Color

Yxy(51.6604, 0.2083, 0.2697)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 01CFFC |
| RGB | 1, 207, 252 |
| RGB Percent | 0%, 81%, 99% |
| CMY | 0.9959, 0.1882, 0.0116 |
| CMYK | 1.00, 0.18, 0.00, 0.01 |
| HSL | 191°, 99%, 50% |
| HSV | 191°, 100%, 99% |
| XYZ | 39.8994, 51.6604, 99.9879 |
| YIQ | 150.5360, -137.2210, -29.6770 |

Conversions

Conversions Part 2

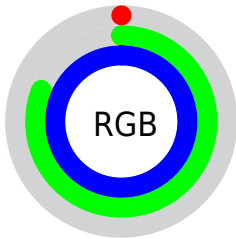
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 1, 114, 252 |
| Decimal | 118780 |
| CIE Lab | 77.08, -26.82, -33.92 |
| CIE LCh | 77, 43.239, 231.672 |
| Yxy | 51.6604, 0.2083, 0.2697 |
| Android (android.graphics.Color) | 4278308860 (0xFF01CFFC) |
| YUV | 150.5360, 50.0218, -131.1431 |
| Hunter-Lab | 71.8752, -26.6926, -32.1676 |

Details

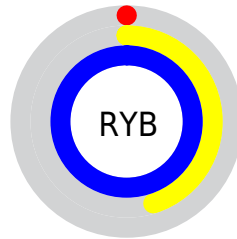
The Yxy color **51.6604, 0.2083, 0.2697** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.6629, 0.6230, 0.3432**, and the grayscale version is **30.5725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **26.3966, 0.2045, 0.2561** is the 20% darker color. If you saturate the color by 10%, you get **51.5650, 0.2082, 0.2694**, and if you desaturate by 10%, it is **54.1009, 0.2115, 0.2761**.

Distribution



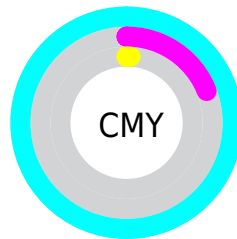
- Red (0%)
- Green (81%)
- Blue (99%)



- Red (0%)
- Yellow (45%)
- Blue (99%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (1%)




- Cyan (100%)
- Magenta (19%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6604, 0.2083, 0.2697 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 51.6604, 0.2083, 0.2697 by changing the saturation by 10% instead.


 51.6604, 0.2083,
0.2697


 51.6604, 0.2083,
0.2697


393.1242, 0.2569,
0.2998


 36.7345, 0.1974,
0.2623


 92.6302, 0.2251,
0.2806

 25.0020, 0.1841,
0.2529


 119.4429, 0.2316,
0.2847

 16.0785, 0.1675,
0.2407


 150.9865, 0.2373,
0.2882

 9.5797, 0.1467,
0.2243

 187.6457, 0.2422,
0.2912

 5.1212, 0.1200,
0.2016

 229.8046, 0.2465,
0.2938

 2.3186, 0.0859,
0.1688

277.8477, 0.2504,

 0.7835, 0.0142,

0.2960

0.1239

332.1594, 0.2538,
0.2980

■ 0.0000, 0.0000,
0.0000

■ 51.6604, 0.2083,
0.2697

■ 51.6604, 0.2083,
0.2697

■ 51.5650, 0.2082,
0.2694

■ 54.1009, 0.2115,
0.2761

■ 56.8793, 0.2163,
0.2827

■ 60.0767, 0.2232,
0.2892

■ 63.7435, 0.2319,
0.2958

■ 67.9222, 0.2425,
0.3021

■ 72.6501, 0.2547,
0.3083

■ 77.9608, 0.2682,
0.3141

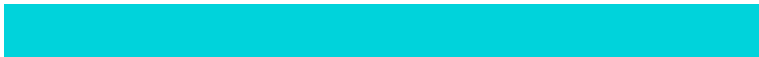
■ 83.8846, 0.2827,
0.3196

■ 90.4499, 0.2979,
0.3246

Harmonies

Analogous

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



51.6604, 0.2206, 0.3185



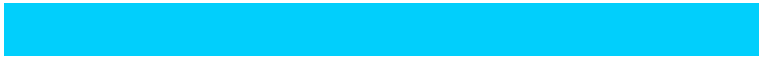
51.6604, 0.2083, 0.2697



51.6604, 0.2201, 0.2428

Triad

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



51.6604, 0.2083, 0.2697



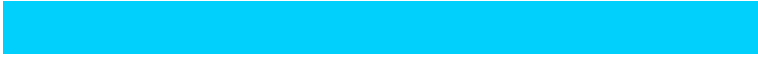
51.6604, 0.3670, 0.2849



51.6604, 0.3658, 0.4348

Complementary

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



51.6604, 0.2083, 0.2697



22.6629, 0.6230, 0.3432

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.



51.6604, 0.4106, 0.4123



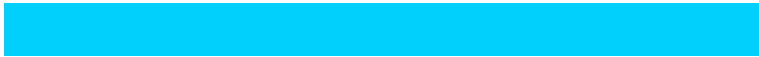
51.6604, 0.2083, 0.2697



51.6604, 0.4135, 0.3267

Square

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



51.6604, 0.2083, 0.2697



51.6604, 0.3075, 0.2536



51.6604, 0.4293, 0.3720



51.6604, 0.3092, 0.4240

Rectangle

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



51.6604, 0.2083, 0.2697



51.6604, 0.2407, 0.2374



51.6604, 0.4293, 0.3720



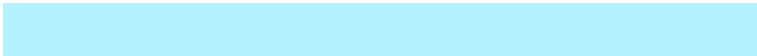
51.6604, 0.3828, 0.4303

Sweetspot

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



51.6622, 0.2083, 0.2697



79.8177, 0.2676, 0.3139



69.8198, 0.2964, 0.5868



16.5781, 0.2618, 0.3114



0.0000, 0.0000, 0.0000



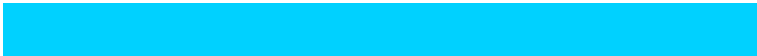
21.4041, 0.3127, 0.3290

Same Dimension

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



51.6622, 0.2083, 0.2697



52.9436, 0.2082, 0.2694



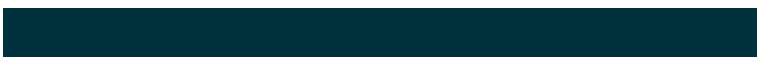
13.4874, 0.1627, 0.1054



19.0477, 0.2980, 0.3246



27.0522, 0.2085, 0.2705



2.6391, 0.2106, 0.2783

Inverse Universe

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



25.2286, 0.3731, 0.1830



25.8758, 0.3734, 0.1831



48.8443, 0.4945, 0.4454



17.4680, 0.3166, 0.3098



13.1418, 0.3723, 0.1825



1.2307, 0.3651, 0.1785

Previews

White Background



This preview shows how the Yxy color 51.6604, 0.2083, 0.2697 looks on a white background.

Color Contrast Check

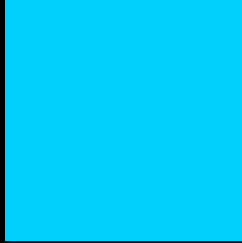
Large Text (above 18pt) WCAG AA × Fail

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 51.6604, 0.2083, 0.2697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

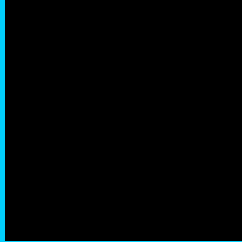
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6604, 0.2083, 0.2697

Background



This preview shows how black text looks on a background with the Yxy color 51.6604, 0.2083, 0.2697.

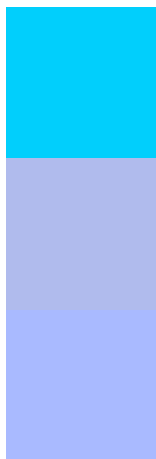


This preview shows how white text looks on a background with the Yxy color 51.6604, 0.2083, 0.2697.

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

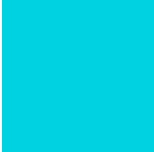
51.6604, 0.2083, 0.2697

Protanopia

50.8852, 0.2695, 0.2691

Deuteranopia

50.7728, 0.2542, 0.2484



Tritanopia

51.5842, 0.2185, 0.3064

Trichromacy



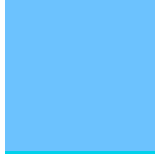
Original Color

51.6604, 0.2083, 0.2697



Protanomaly

48.4391, 0.2313, 0.2668



Deuteranomaly

48.9275, 0.2244, 0.2532



Tritanomaly

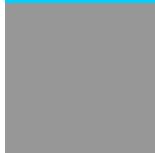
51.5991, 0.2148, 0.2932

Monochromacy



Original Color

51.6604, 0.2083, 0.2697



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.2435, 0.2441, 0.3023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6604, 0.2083, 0.2697 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, 207, 252)` looks like.

```
.text, #text, p{  
    color:rgb(1, 207, 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(1, 207, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 207, 252) }
```

Border

The CSS property to change the border of an element to Yxy 51.6604, 0.2083, 0.2697 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, 207, 252) }
```

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

```
.border{ border-color:rgb(1, 207, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 207, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 207, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 207, 252);  
box-shadow:4px 4px 4px 4px rgb(1, 207,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6604, 0.2083, 0.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 207, 252) }
```

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

```
.background{ background-color: rgb(1, 207,  
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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