

Converting Colors

$Y_{xy}(51.6822, 0.2100, 0.2790)$

Have a look what the booklet for
Yxy(51.6822, 0.2100, 0.2790)
contains.

Yxy(51.7043, 0.2110, 0.2794)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.7043, 0.2110, 0.2794)

Conversions

Conversions Part 1

Format	Color
Hex	01D0F5
RGB	1, 208, 245
RGB Percent	0%, 82%, 96%
CMY	0.9955, 0.1844, 0.0392
CMYK	1.00, 0.15, 0.00, 0.04
HSL	189°, 99%, 48%
HSV	189°, 100%, 96%
XYZ	39.0466, 51.7043, 94.3039
YIQ	150.3250, -135.2490, -32.3770

Conversions

Conversions Part 2

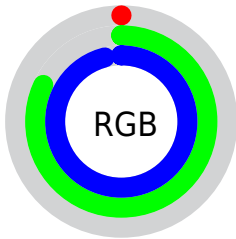
Format	Color
R_{YB}	1, 113, 245
Decimal	119029
CIE _{Lab}	77.10, -29.62, -30.12
CIE _{LCh}	77, 42.240, 225.483
Yxy	51.7043, 0.2110, 0.2794
Android (android.graphics.Color)	4278309109 (0xFF01D0F5)
YUV	150.3250, 46.6748, -130.9580
Hunter-Lab	71.9057, -28.9051, -27.4245

Details

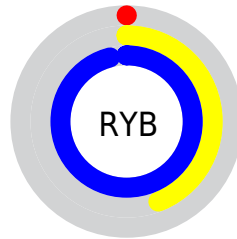
The Yxy color **51.7043, 0.2110, 0.2794** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.8096, 0.6268, 0.3400**, and the grayscale version is **30.5005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **26.4566, 0.2074, 0.2667** is the 20% darker color. If you saturate the color by 10%, you get **51.6148, 0.2109, 0.2792**, and if you desaturate by 10%, it is **53.7478, 0.2139, 0.2848**.

Distribution



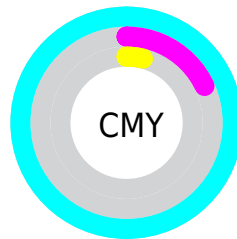
- Red (0%)
- Green (82%)
- Blue (96%)



- Red (0%)
- Yellow (44%)
- Blue (96%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (18%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7043, 0.2110, 0.2794 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 51.7043, 0.2110, 0.2794 by changing the saturation by 10% instead.


 51.7043, 0.2110,
0.2794


 51.7043, 0.2110,
0.2794


 393.2940, 0.2585,
0.3050

 36.7694, 0.2003,
0.2730


 92.6950, 0.2274,
0.2888

 25.0290, 0.1871,
0.2647


 119.5196, 0.2338,
0.2923

 16.0987, 0.1707,
0.2539


 151.0763, 0.2394,
0.2952

 9.5940, 0.1499,
0.2391

 187.7494, 0.2442,
0.2978

 5.1306, 0.1231,
0.2180

 229.9233, 0.2484,
0.3000

 2.3241, 0.0883,
0.1867

 277.9824, 0.2522,

 0.7864, 0.0045,

0.3019

0.1438

332.3112, 0.2555,
0.3035

■ 0.0000, 0.0000,
0.0000

■ 51.7043, 0.2110,
0.2794

■ 51.7043, 0.2110,
0.2794

■ 51.6148, 0.2109,
0.2792

■ 53.7478, 0.2139,
0.2848

■ 56.0915, 0.2184,
0.2902

■ 58.8112, 0.2248,
0.2957

■ 61.9536, 0.2332,
0.3011

■ 65.5582, 0.2435,
0.3064

■ 69.6596, 0.2554,
0.3116

■ 74.2888, 0.2686,
0.3165

■ 79.4740, 0.2829,
0.3211

■ 85.2416, 0.2980,
0.3253

Harmonies

Analogous

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



51.7043, 0.2280, 0.3306



51.7043, 0.2110, 0.2794



51.7043, 0.2178, 0.2483

Triad

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



51.7043, 0.2110, 0.2794



51.7043, 0.3542, 0.2785



51.7043, 0.3752, 0.4300

Complementary

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



51.7043, 0.2110, 0.2794



20.8096, 0.6268, 0.3400

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.



51.7043, 0.4147, 0.4035



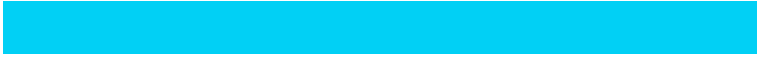
51.7043, 0.2110, 0.2794



51.7043, 0.4038, 0.3179

Square

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



51.7043, 0.2110, 0.2794



51.7043, 0.2959, 0.2506



51.7043, 0.4263, 0.3622



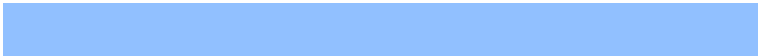
51.7043, 0.3211, 0.4269

Rectangle

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



51.7043, 0.2110, 0.2794



51.7043, 0.2350, 0.2399



51.7043, 0.4263, 0.3622



51.7043, 0.3907, 0.4238

Sweetspot

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



51.7061, 0.2110, 0.2794



81.0796, 0.2679, 0.3162



65.4478, 0.2970, 0.5888



16.8832, 0.2622, 0.3142



0.0000, 0.0000, 0.0000



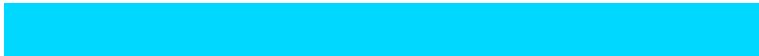
21.4041, 0.3127, 0.3290

Same Dimension

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



51.7061, 0.2110, 0.2794



56.4870, 0.2109, 0.2790



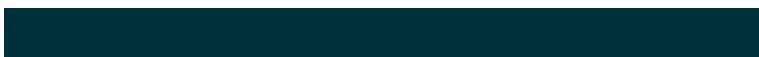
13.3333, 0.1640, 0.1101



18.3042, 0.2980, 0.3253



27.9715, 0.2111, 0.2800



2.5720, 0.2130, 0.2868

Inverse Universe

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



23.9899, 0.3640, 0.1780



26.2335, 0.3644, 0.1781



44.4330, 0.4989, 0.4418



16.7225, 0.3161, 0.3092



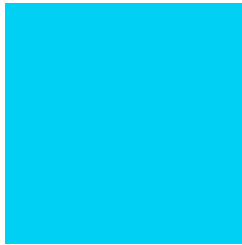
12.9231, 0.3634, 0.1776



1.1473, 0.3572, 0.1742

Previews

White Background



This preview shows how the Yxy color 51.7043, 0.2110, 0.2794 looks on a white background.

Color Contrast Check

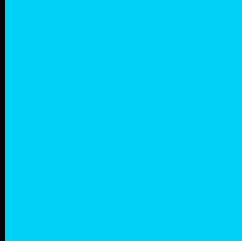
Large Text (above 18pt) WCAG AA × Fail

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 51.7043, 0.2110, 0.2794 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

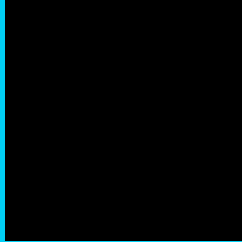
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.7043, 0.2110, 0.2794

Background



This preview shows how black text looks on a background with the Yxy color 51.7043, 0.2110, 0.2794.

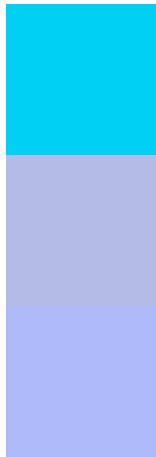


This preview shows how white text looks on a background with the Yxy color 51.7043, 0.2110, 0.2794.

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

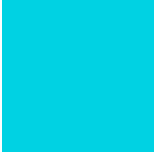
51.7108, 0.2110, 0.2794

Protanopia

50.8375, 0.2760, 0.2771

Deuteranopia

51.0186, 0.2603, 0.2540



Tritanopia

51.6392, 0.2181, 0.3051

Trichromacy



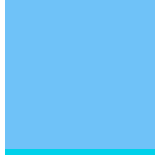
Original Color

51.7108, 0.2110, 0.2794



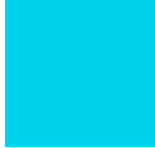
Protanomaly

48.6058, 0.2357, 0.2764



Deuteranomaly

48.7404, 0.2282, 0.2600



Tritanomaly

51.5414, 0.2152, 0.2945

Monochromacy



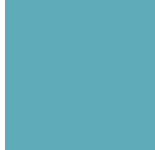
Original Color

51.7108, 0.2110, 0.2794



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.1154, 0.2459, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7043, 0.2110, 0.2794 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, 208, 245)` looks like.

```
.text, #text, p{  
    color:rgb(1, 208, 245)  
}
```

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, 208, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 208, 245) }
```

Border

The CSS property to change the border of an element to Yxy 51.7043, 0.2110, 0.2794 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, 208, 245) }
```

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

```
.border{ border-color:rgb(1, 208, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 208, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 208, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 208, 245);  
box-shadow:4px 4px 4px 4px rgb(1, 208,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7043, 0.2110, 0.2794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 208, 245) }
```

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

```
.background{ background-color: rgb(1, 208,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor