

Converting Colors

$Y_{xy}(51.2939, 0.2088, 0.2715)$

Have a look what the booklet for
Yxy(51.2939, 0.2088, 0.2715)
contains.

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Color

Yxy(51.5342, 0.2090, 0.2721)

Conversions

Conversions Part 1

Format	Color
Hex	02CFFA
RGB	2, 207, 250
RGB Percent	1%, 81%, 98%
CMY	0.9929, 0.1882, 0.0197
CMYK	0.99, 0.17, 0.00, 0.02
HSL	190°, 99%, 49%
HSV	190°, 99%, 98%
XYZ	39.5834, 51.5342, 98.2767
YIQ	150.6070, -135.9830, -30.0870

Conversions

Conversions Part 2

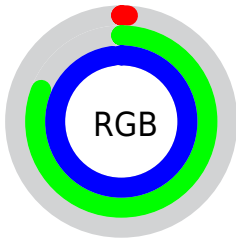
Format	Color
R _Y B	2, 114, 250
Decimal	184314
CIE Lab	77.00, -27.48, -32.94
CIE LCh	77, 42.894, 230.161
Yxy	51.5342, 0.2090, 0.2721
Android (android.graphics.Color)	4278374394 (0xFF02CFFA)
YUV	150.6070, 49.0007, -130.3283
Hunter-Lab	71.7873, -27.2032, -30.9168

Details

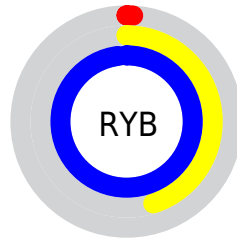
The Yxy color **51.5342, 0.2090, 0.2721** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.1822, 0.6233, 0.3426**, and the grayscale version is **30.5734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **26.3067, 0.2053, 0.2589** is the 20% darker color. If you saturate the color by 10%, you get **51.3728, 0.2088, 0.2717**, and if you desaturate by 10%, it is **53.8809, 0.2121, 0.2783**.

Distribution



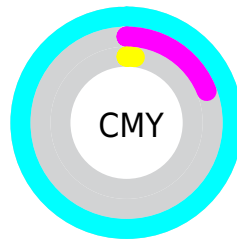
- Red (1%)
- Green (81%)
- Blue (98%)



- Red (1%)
- Yellow (45%)
- Blue (98%)



- Cyan (99%)
- Magenta (17%)
- Yellow (0%)
- Black (2%)




- Cyan (99%)
- Magenta (19%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.5342, 0.2090, 0.2721 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 51.5342, 0.2090, 0.2721 by changing the saturation by 10% instead.


 51.5342, 0.2090,
0.2721

 51.5342, 0.2090,
0.2721


392.6357, 0.2573,
0.3011

 36.6339, 0.1981,
0.2649


 92.4439, 0.2257,
0.2826

 24.9242, 0.1848,
0.2558


 119.2222, 0.2322,
0.2866

 16.0206, 0.1683,
0.2439


 150.7285, 0.2378,
0.2900

 9.5387, 0.1475,
0.2279

 187.3474, 0.2427,
0.2928

 5.0942, 0.1207,
0.2055

 229.4631, 0.2470,
0.2953

 2.3026, 0.0863,
0.1729

277.4602, 0.2509,

 0.7751, 0.0109,

0.2975

0.1282

331.7229, 0.2543,
0.2994

■ 0.0000, 0.0000,
0.0000

■ 51.5342, 0.2090,
0.2721

■ 51.5342, 0.2090,
0.2721

■ 51.3728, 0.2088,
0.2717

■ 53.8809, 0.2121,
0.2783

■ 56.5596, 0.2170,
0.2846

■ 59.6468, 0.2238,
0.2909

■ 63.1916, 0.2325,
0.2972

■ 67.2356, 0.2431,
0.3033

■ 71.8149, 0.2553,
0.3092

■ 76.9624, 0.2688,
0.3148

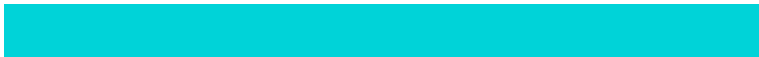
■ 82.7077, 0.2832,
0.3201

■ 89.0785, 0.2983,
0.3249

Harmonies

Analogous

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



51.5342, 0.2224, 0.3215



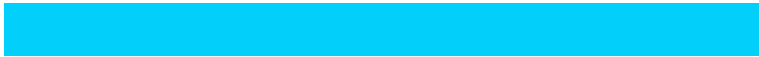
51.5342, 0.2090, 0.2721



51.5342, 0.2196, 0.2441

Triad

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



51.5342, 0.2090, 0.2721



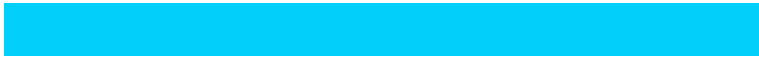
51.5342, 0.3638, 0.2834



51.5342, 0.3682, 0.4336

Complementary

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



51.5342, 0.2090, 0.2721



22.1822, 0.6233, 0.3426

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.



51.5342, 0.4116, 0.4101



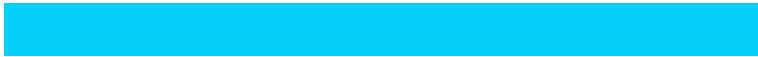
51.5342, 0.2090, 0.2721



51.5342, 0.4111, 0.3245

Square

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



51.5342, 0.2090, 0.2721



51.5342, 0.3046, 0.2529



51.5342, 0.4286, 0.3696



51.5342, 0.3121, 0.4247

Rectangle

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



51.5342, 0.2090, 0.2721



51.5342, 0.2393, 0.2381



51.5342, 0.4286, 0.3696



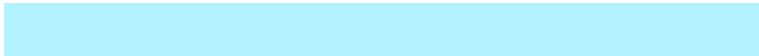
51.5342, 0.3848, 0.4286

Sweetspot

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



51.5360, 0.2090, 0.2721



80.1016, 0.2677, 0.3144



68.5392, 0.2963, 0.5864



16.6467, 0.2619, 0.3121



0.0000, 0.0000, 0.0000



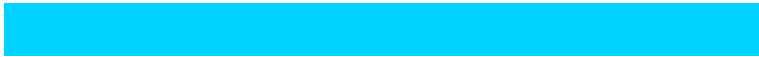
21.4041, 0.3127, 0.3290

Same Dimension

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



51.5360, 0.2090, 0.2721



53.7309, 0.2088, 0.2716



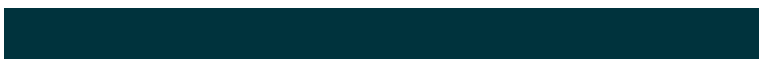
13.3348, 0.1629, 0.1061



19.0670, 0.2980, 0.3248



27.4462, 0.2091, 0.2727



2.6721, 0.2112, 0.2801

Inverse Universe

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



24.8623, 0.3708, 0.1819



25.9553, 0.3713, 0.1819



48.0508, 0.4941, 0.4455



17.4699, 0.3165, 0.3096



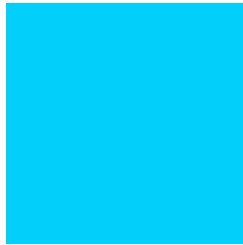
13.1816, 0.3703, 0.1814



1.2340, 0.3634, 0.1775

Previews

White Background



This preview shows how the Yxy color 51.5342, 0.2090, 0.2721 looks on a white background.

Color Contrast Check

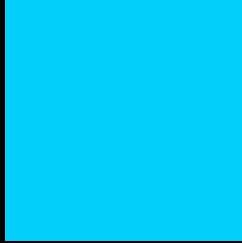
Large Text (above 18pt) WCAG AA × Fail

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 51.5342, 0.2090, 0.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

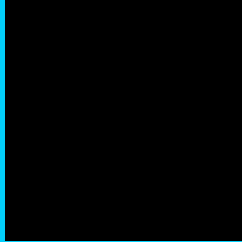
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5342, 0.2090, 0.2721

Background



This preview shows how black text looks on a background with the Yxy color 51.5342, 0.2090, 0.2721.

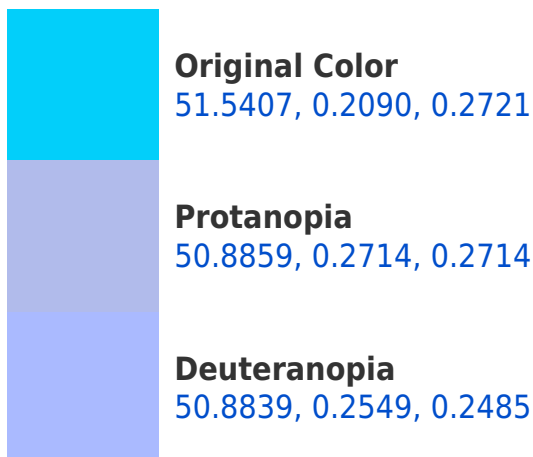


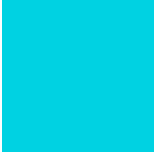
This preview shows how white text looks on a background with the Yxy color 51.5342, 0.2090, 0.2721.

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





Tritanopia

51.5842, 0.2185, 0.3064

Trichromacy



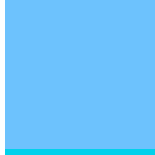
Original Color

51.5407, 0.2090, 0.2721



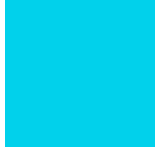
Protanomaly

48.3856, 0.2327, 0.2691



Deuteranomaly

48.9266, 0.2253, 0.2544



Tritanomaly

51.6055, 0.2148, 0.2932

Monochromacy



Original Color

51.5407, 0.2090, 0.2721



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.2551, 0.2453, 0.3038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5342, 0.2090, 0.2721 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, 207, 250)` looks like.

```
.text, #text, p{  
    color:rgb(2, 207, 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(2, 207, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 207, 250) }
```

Border

The CSS property to change the border of an element to Yxy 51.5342, 0.2090, 0.2721 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, 207, 250) }
```

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

```
.border{ border-color:rgb(2, 207, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 207, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 207, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 207, 250);  
box-shadow:4px 4px 4px 4px rgb(2, 207,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5342, 0.2090, 0.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 207, 250) }
```

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

```
.background{ background-color: rgb(2, 207,  
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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