

Converting Colors

$Y_{xy}(52.3262, 0.2096, 0.2745)$

Have a look what the booklet for
Yxy(52.3262, 0.2096, 0.2745)
contains.

Yxy(52.5031, 0.2097, 0.2749)	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(52.5031, 0.2097, 0.2749)

Conversions

Conversions Part 1

Format	Color
Hex	00D1FA
RGB	0, 209, 250
RGB Percent	0%, 82%, 98%
CMY	1.0000, 0.1804, 0.0197
CMYK	1.00, 0.16, 0.00, 0.02
HSL	190°, 100%, 49%
HSV	190°, 100%, 98%
XYZ	40.0506, 52.5031, 98.4362
YIQ	151.1830, -137.7250, -31.5570

Conversions

Conversions Part 2

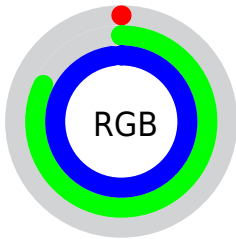
Format	Color
RYB	0, 114, 250
Decimal	53754
CIELab	77.58, -28.51, -32.04
CIELCh	78, 42.891, 228.335
Yxy	52.5031, 0.2097, 0.2749
Android (android.graphics.Color)	4278243834 (0xFF00D1FA)
YUV	151.1830, 48.7168, -132.5875
Hunter-Lab	72.4590, -28.1403, -29.8246

Details

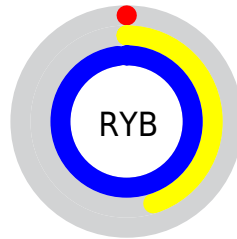
The Yxy color **52.5031, 0.2097, 0.2749** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.9005, 0.6261, 0.3411**, and the grayscale version is **30.8620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **26.9615, 0.2063, 0.2626** is the 20% darker color. If you saturate the color by 10%, you get **52.5050, 0.2097, 0.2749**, and if you desaturate by 10%, it is **54.7474, 0.2127, 0.2807**.

Distribution



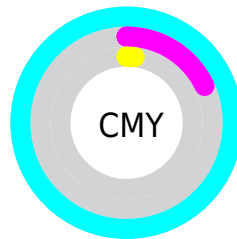
- Red (0%)
- Green (82%)
- Blue (98%)



- Red (0%)
- Yellow (45%)
- Blue (98%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.5031, 0.2097, 0.2749 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 52.5031, 0.2097, 0.2749 by changing the saturation by 10% instead.


 52.5031, 0.2097,
0.2749

 52.5031, 0.2097,
0.2749


396.3758, 0.2576,
0.3025


 37.4062, 0.1989,
0.2680


 93.8728, 0.2262,
0.2849

 25.5222, 0.1858,
0.2593


 120.9144, 0.2327,
0.2887


 16.4665, 0.1695,
0.2479


 152.7064, 0.2383,
0.2919

 9.8549, 0.1489,
0.2325

 189.6332, 0.2431,
0.2947

 5.3028, 0.1224,
0.2110

 232.0791, 0.2474,
0.2970

 2.4260, 0.0883,
0.1794

280.4286, 0.2512,

 0.8392, 0.0165,

0.2991

0.1360

335.0660, 0.2545,
0.3009

■ 0.0000, 0.0000,
0.0000

■ 52.5031, 0.2097,
0.2749

■ 52.5031, 0.2097,
0.2749

■ 52.5050, 0.2097,
0.2749

■ 54.7474, 0.2127,
0.2807

■ 57.3066, 0.2172,
0.2866

■ 60.2644, 0.2238,
0.2926

■ 63.6706, 0.2322,
0.2985

■ 67.5670, 0.2426,
0.3043

■ 71.9902, 0.2545,
0.3099

■ 76.9730, 0.2678,
0.3152

■ 82.5453, 0.2822,
0.3202

■ 88.7347, 0.2972,
0.3248

Harmonies

Analogous

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



52.5031, 0.2245, 0.3251



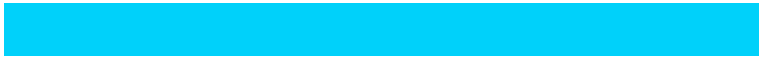
52.5031, 0.2097, 0.2749



52.5031, 0.2188, 0.2457

Triad

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



52.5031, 0.2097, 0.2749



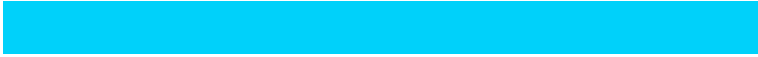
52.5031, 0.3600, 0.2814



52.5031, 0.3710, 0.4323

Complementary

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



52.5031, 0.2097, 0.2749



21.9005, 0.6261, 0.3411

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.



52.5031, 0.4129, 0.4075



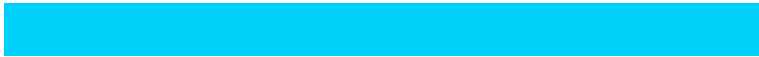
52.5031, 0.2097, 0.2749



52.5031, 0.4083, 0.3219

Square

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



52.5031, 0.2097, 0.2749



52.5031, 0.3012, 0.2519



52.5031, 0.4278, 0.3667



52.5031, 0.3157, 0.4257

Rectangle

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



52.5031, 0.2097, 0.2749



52.5031, 0.2376, 0.2387



52.5031, 0.4278, 0.3667



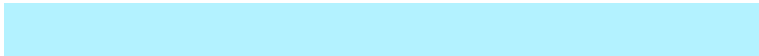
52.5031, 0.3872, 0.4268

Sweetspot

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



52.5050, 0.2097, 0.2749



80.5259, 0.2678, 0.3152



68.4864, 0.2971, 0.5894



16.7493, 0.2620, 0.3130



0.0000, 0.0000, 0.0000



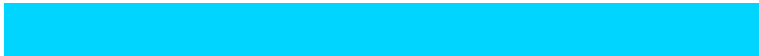
21.4041, 0.3127, 0.3290

Same Dimension

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



52.5050, 0.2097, 0.2749



54.9183, 0.2097, 0.2748



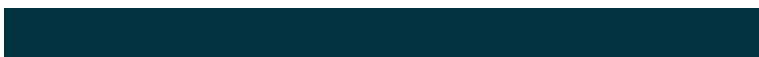
13.7956, 0.1636, 0.1091



19.0958, 0.2980, 0.3250



28.0403, 0.2100, 0.2759



2.7218, 0.2119, 0.2829

Inverse Universe

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



24.9214, 0.3682, 0.1802



26.0752, 0.3683, 0.1802



46.3268, 0.4996, 0.4415



17.4728, 0.3163, 0.3094



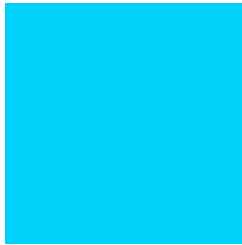
13.2416, 0.3673, 0.1797



1.2390, 0.3608, 0.1761

Previews

White Background



This preview shows how the Yxy color 52.5031, 0.2097, 0.2749 looks on a white background.

Color Contrast Check

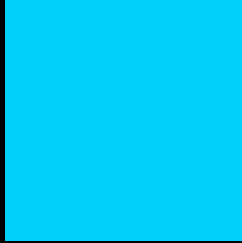
Large Text (above 18pt) WCAG AA × Fail

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 52.5031, 0.2097, 0.2749 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 52.5031, 0.2097, 0.2749

Background



This preview shows how black text looks on a background with the Yxy color 52.5031, 0.2097, 0.2749.



This preview shows how white text looks on a background with the Yxy color 52.5031, 0.2097, 0.2749.

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

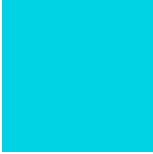
52.5031, 0.2097, 0.2749

Protanopia

51.5483, 0.2729, 0.2728

Deuteranopia

51.6449, 0.2569, 0.2501



Tritanopia

52.6884, 0.2185, 0.3066

Trichromacy



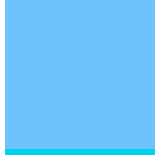
Original Color

52.5031, 0.2097, 0.2749



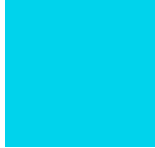
Protanomaly

49.3485, 0.2337, 0.2719



Deuteranomaly

49.4371, 0.2260, 0.2558



Tritanomaly

52.6447, 0.2152, 0.2948

Monochromacy



Original Color

52.5031, 0.2097, 0.2749



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

35.5797, 0.2450, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.5031, 0.2097, 0.2749 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, 209, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 209, 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, 209, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 209, 250) }
```

Border

The CSS property to change the border of an element to Yxy 52.5031, 0.2097, 0.2749 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, 209, 250) }
```

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

```
.border{ border-color:rgb(0, 209, 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, 209, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 209, 250); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 209, 250); box-shadow:4px 4px 4px 4px rgb(0, 209, 250) }
```


Background

The CSS property to change the background color of an element to Yxy 52.5031, 0.2097, 0.2749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 209, 250) }
```

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

```
.background{ background-color: rgb(0, 209,  
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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