

# Converting Colors

$Yxy(42.9937, 0.1378, 0.2731)$

Have a look what the booklet for  
Yxy(42.9937, 0.1378, 0.2731)  
contains.

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# Color

**Yxy(52.1326, 0.2117, 0.2820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01D1F4
RGB	1, 209, 244
RGB Percent	0%, 82%, 96%
CMY	0.9975, 0.1804, 0.0431
CMYK	1.00, 0.14, 0.00, 0.04
HSL	189°, 99%, 48%
HSV	189°, 100%, 96%
XYZ	39.1364, 52.1326, 93.5984
YIQ	150.7980, -135.2030, -33.2110

# Conversions

## Conversions Part 2

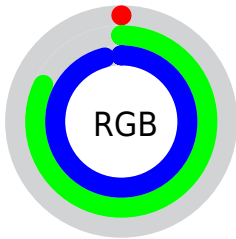
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 113, 244
Decimal	119284
CIELab	77.36, -30.44, -29.20
CIELCh	77, 42.178, 223.813
Yxy	52.1326, 0.2117, 0.2820
Android (android.graphics.Color)	4278309364 (0xFF01D1F4)
YUV	150.7980, 45.9486, -131.3728
Hunter-Lab	72.2029, -29.6020, -26.3170

# Details

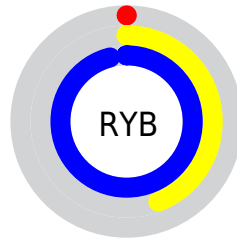
The Yxy color **52.1326, 0.2117, 0.2820** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.4778, 0.6282, 0.3391**, and the grayscale version is **30.6493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **26.7420, 0.2084, 0.2701** is the 20% darker color. If you saturate the color by 10%, you get **52.0859, 0.2116, 0.2819**, and if you desaturate by 10%, it is **54.0794, 0.2145, 0.2871**.

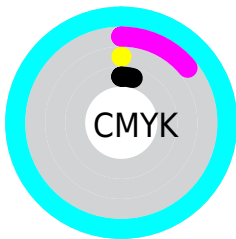
# Distribution



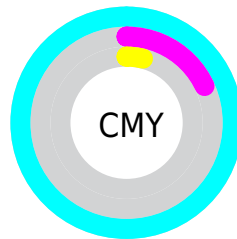
- Red (0%)
- Green (82%)
- Blue (96%)



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



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (4%)




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

# Brightness & Saturation Gradients


These gradients show how the Yxy color 52.1326, 0.2117, 0.2820 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 52.1326, 0.2117, 0.2820 by changing the saturation by 10% instead.





 52.1326, 0.2117,  
0.2820


 52.1326, 0.2117,  
0.2820

 394.9483, 0.2588,  
0.3064

 37.1108, 0.2010,  
0.2758


 93.3268, 0.2280,  
0.2909

 25.2933, 0.1880,  
0.2680


 120.2679, 0.2344,  
0.2943


 16.2957, 0.1717,  
0.2575


 151.9509, 0.2399,  
0.2971

 9.7336, 0.1511,  
0.2433

 188.7603, 0.2446,  
0.2995

 5.2227, 0.1243,  
0.2229

 231.0803, 0.2488,  
0.3016

 2.3785, 0.0896,  
0.1924

279.2953, 0.2525,

 0.8148, 0.0058,

0.3034

0.1506

333.7899, 0.2559,  
0.3050

■ 0.0000, 0.0000,  
0.0000

■ 52.1326, 0.2117,  
0.2820

■ 52.1326, 0.2117,  
0.2820

■ 52.0859, 0.2116,  
0.2819

■ 54.0794, 0.2145,  
0.2871

■ 56.3163, 0.2188,  
0.2922

■ 58.9203, 0.2251,  
0.2973

■ 61.9382, 0.2334,  
0.3025

■ 65.4088, 0.2435,  
0.3075

■ 69.3665, 0.2553,  
0.3124

■ 73.8420, 0.2684,  
0.3170

■ 78.8634, 0.2827,  
0.3214

■ 84.4566, 0.2977,  
0.3254

# Harmonies

## Analogous

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



52.1326, 0.2300, 0.3339



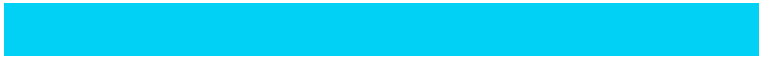
52.1326, 0.2117, 0.2820



52.1326, 0.2171, 0.2497

# Triad

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



52.1326, 0.2117, 0.2820



52.1326, 0.3508, 0.2768



52.1326, 0.3777, 0.4288

# Complementary

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



52.1326, 0.2117, 0.2820



20.4778, 0.6282, 0.3391

# 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.



52.1326, 0.4157, 0.4012



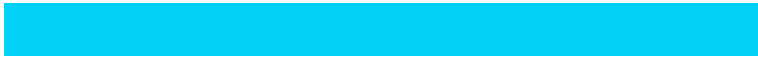
52.1326, 0.2117, 0.2820



52.1326, 0.4012, 0.3156

# Square

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



52.1326, 0.2117, 0.2820



52.1326, 0.2929, 0.2498



52.1326, 0.4255, 0.3597



52.1326, 0.3242, 0.4276

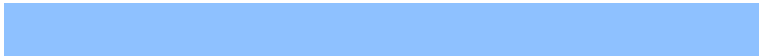


# Rectangle

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



52.1326, 0.2117, 0.2820



52.1326, 0.2335, 0.2406



52.1326, 0.4255, 0.3597



52.1326, 0.3928, 0.4221

# Sweetspot

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



52.1344, 0.2117, 0.2820



81.4410, 0.2680, 0.3169



64.8244, 0.2975, 0.5909



16.9707, 0.2623, 0.3149



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

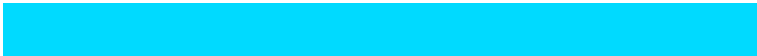


# Same Dimension

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



52.1344, 0.2117, 0.2820



57.5226, 0.2116, 0.2818



13.8272, 0.1651, 0.1142



18.3275, 0.2980, 0.3255



28.4735, 0.2119, 0.2827



2.6114, 0.2136, 0.2891



# Inverse Universe

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



23.8525, 0.3616, 0.1766



26.3381, 0.3618, 0.1767



42.6044, 0.5038, 0.4380



16.7249, 0.3160, 0.3090



12.9738, 0.3610, 0.1762

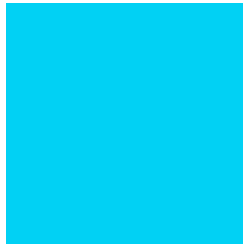


1.1513, 0.3552, 0.1730



# Previews

## White Background



This preview shows how the Yxy color 52.1326, 0.2117, 0.2820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

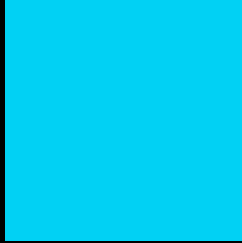
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.1326, 0.2117, 0.2820 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

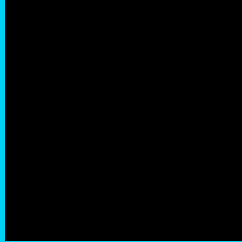
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.1326, 0.2117, 0.2820**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.1326, 0.2117, 0.2820.



This preview shows how white text looks on a background with the Yxy color 52.1326, 0.2117, 0.2820.

# 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

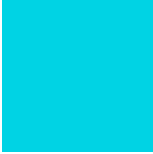
52.1390, 0.2117, 0.2820

### Protanopia

51.4473, 0.2782, 0.2796

### Deuteranopia

51.6103, 0.2623, 0.2565



## **Tritanopia**

52.1900, 0.2181, 0.3052

# Trichromacy



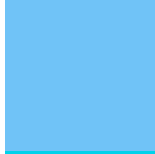
## Original Color

52.1390, 0.2117, 0.2820



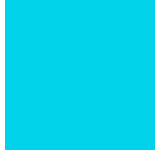
## Protanomaly

49.0652, 0.2369, 0.2790



## Deuteranomaly

49.1904, 0.2294, 0.2625



## Tritanomaly

52.0337, 0.2155, 0.2959

# Monochromacy



## Original Color

52.1390, 0.2117, 0.2820



## Achromatopsia

30.9469, 0.3127, 0.3290



## Achromatomaly

35.4946, 0.2462, 0.3084

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.1326, 0.2117, 0.2820 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, 209, 244)` looks like.

```
.text, #text, p{  
    color:rgb(1, 209, 244)  
}
```

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, 209, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 209, 244) }
```

## Border

The CSS property to change the border of an element to Yxy 52.1326, 0.2117, 0.2820 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, 209, 244) }
```

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

```
.border{ border-color:rgb(1, 209, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 209, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 209, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 209, 244);  
box-shadow:4px 4px 4px 4px rgb(1, 209,  
244) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.1326, 0.2117, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 209, 244) }
```

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

```
.background{ background-color: rgb(1, 209,  
244) }
```

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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