

# Converting Colors

$Yxy(54.0974, 0.2129, 0.2864)$

Have a look what the booklet for  
Yxy(54.0974, 0.2129, 0.2864)  
contains.

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# Color

**Yxy(54.1811, 0.2129, 0.2864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D5F5
RGB	0, 213, 245
RGB Percent	0%, 84%, 96%
CMY	0.9995, 0.1647, 0.0392
CMYK	1.00, 0.13, 0.00, 0.04
HSL	188°, 100%, 48%
HSV	188°, 100%, 96%
XYZ	40.2764, 54.1811, 94.7223
YIQ	152.9610, -137.2200, -35.2040

# Conversions

## Conversions Part 2

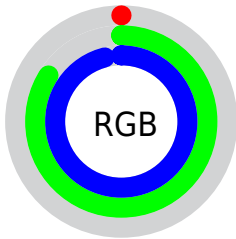
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 114, 245
Decimal	54773
CIELab	78.57, -32.06, -27.88
CIELCh	79, 42.486, 221.006
Yxy	54.1811, 0.2129, 0.2864
Android (android.graphics.Color)	4278244853 (0xFF00D5F5)
YUV	152.9610, 45.3752, -134.1468
Hunter-Lab	73.6078, -31.1429, -24.7720

# Details

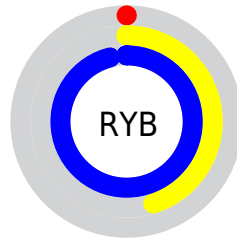
The Yxy color **54.1811, 0.2129, 0.2864** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.4532, 0.6303, 0.3377**, and the grayscale version is **31.6993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **28.1278, 0.2100, 0.2758** is the 20% darker color. If you saturate the color by 10%, you get **54.1737, 0.2129, 0.2864**, and if you desaturate by 10%, it is **56.0109, 0.2155, 0.2910**.

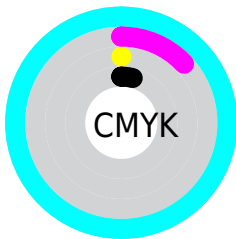
# Distribution



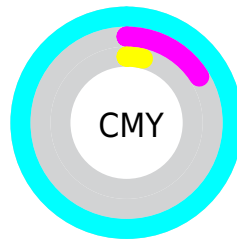
- Red (0%)
- Green (84%)
- Blue (96%)



- Red (0%)
- Yellow (45%)
- Blue (96%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)




- Cyan (100%)
- Magenta (16%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1811, 0.2129, 0.2864 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 54.1811, 0.2129, 0.2864 by changing the saturation by 10% instead.




 54.1811, 0.2129,  
0.2864


 54.1811, 0.2129,  
0.2864

402.8002, 0.2592,  
0.3086


 38.7465, 0.2025,  
0.2808


 96.3401, 0.2289,  
0.2945


 26.5626, 0.1897,  
0.2736

 123.8333, 0.2351,  
0.2976


 17.2450, 0.1738,  
0.2641


 156.1147, 0.2405,  
0.3001

 10.4093, 0.1537,  
0.2510

 193.5688, 0.2452,  
0.3023

 5.6712, 0.1276,  
0.2323

 236.5801, 0.2494,  
0.3042

 2.6462, 0.0937,  
0.2040

285.5328, 0.2530,

 0.9499, 0.0205,

0.3058

0.1642

340.8114, 0.2563,  
0.3073

■ 0.0000, 0.0000,  
0.0000

■ 54.1811, 0.2129,  
0.2864

■ 54.1811, 0.2129,  
0.2864

■ 54.1737, 0.2129,  
0.2864

■ 56.0109, 0.2155,  
0.2910

■ 58.1237, 0.2196,  
0.2956

■ 60.5996, 0.2257,  
0.3002

■ 63.4854, 0.2338,  
0.3049

■ 66.8209, 0.2437,  
0.3094

■ 70.6407, 0.2553,  
0.3138

■ 74.9757, 0.2683,  
0.3180

■ 79.8543, 0.2824,  
0.3220

■ 85.3027, 0.2973,  
0.3257

# Harmonies

## Analogous

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



54.1811, 0.2333, 0.3393



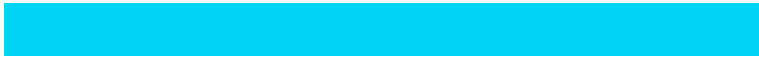
54.1811, 0.2129, 0.2864



54.1811, 0.2161, 0.2522

# Triad

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



54.1811, 0.2129, 0.2864



54.1811, 0.3452, 0.2740



54.1811, 0.3818, 0.4267

# Complementary

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



54.1811, 0.2129, 0.2864



20.4532, 0.6303, 0.3377

# 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.



54.1811, 0.4174, 0.3974



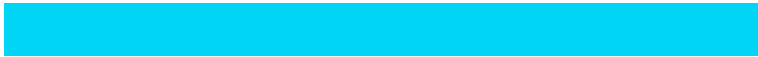
54.1811, 0.2129, 0.2864



54.1811, 0.3969, 0.3118

# Square

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



54.1811, 0.2129, 0.2864



54.1811, 0.2880, 0.2485



54.1811, 0.4240, 0.3555



54.1811, 0.3294, 0.4286

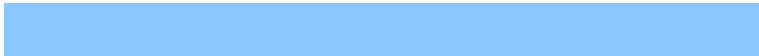


# Rectangle

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



54.1811, 0.2129, 0.2864



54.1811, 0.2310, 0.2417



54.1811, 0.4240, 0.3555



54.1811, 0.3962, 0.4192

# Sweetspot

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



54.1830, 0.2129, 0.2864



82.0508, 0.2681, 0.3180



65.3944, 0.2980, 0.5929



17.1183, 0.2625, 0.3162



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

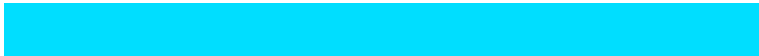


# Same Dimension

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



54.1830, 0.2129, 0.2864



59.2907, 0.2129, 0.2863



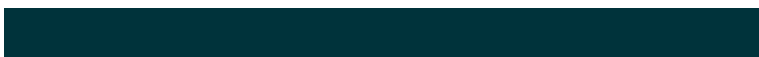
14.5984, 0.1663, 0.1185



18.3666, 0.2981, 0.3258



29.3301, 0.2131, 0.2871



2.6785, 0.2147, 0.2929



# Inverse Universe

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



24.2199, 0.3576, 0.1744



26.5166, 0.3577, 0.1744



41.5896, 0.5088, 0.4341



16.7288, 0.3158, 0.3087



13.0603, 0.3569, 0.1740

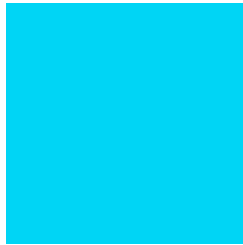


1.1580, 0.3518, 0.1711



# Previews

## White Background



This preview shows how the Yxy color 54.1811, 0.2129, 0.2864 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

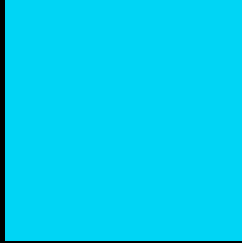
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.1811, 0.2129, 0.2864 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

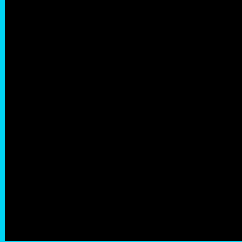
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.1811, 0.2129, 0.2864**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.1811, 0.2129, 0.2864.



This preview shows how white text looks on a background with the Yxy color 54.1811, 0.2129, 0.2864.

# 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

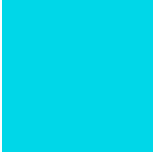
54.1811, 0.2129, 0.2864

### Protanopia

53.2891, 0.2806, 0.2826

### Deuteranopia

53.5528, 0.2654, 0.2597



## Tritanopia

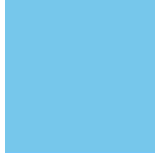
54.4271, 0.2182, 0.3056

# Trichromacy



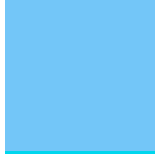
## Original Color

54.1811, 0.2129, 0.2864



## Protanomaly

50.6966, 0.2387, 0.2821



## Deuteranomaly

50.8103, 0.2311, 0.2656



## Tritanomaly

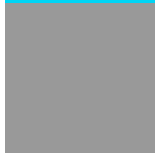
54.2076, 0.2161, 0.2978

# Monochromacy



## Original Color

54.1811, 0.2129, 0.2864



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

36.7465, 0.2471, 0.3117

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.1811, 0.2129, 0.2864 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, 213, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 213, 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(0, 213, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 213, 245) }
```

## Border

The CSS property to change the border of an element to Yxy 54.1811, 0.2129, 0.2864 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, 213, 245) }
```

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

```
.border{ border-color:rgb(0, 213, 245) }
```

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

Here you see how a box with a 4 pixel rgb(0, 213, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 213, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 213, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 213,  
245) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.1811, 0.2129, 0.2864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 213, 245) }
```

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

```
.background{ background-color: rgb(0, 213,  
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](#).

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