

# Converting Colors

$Y_{xy}(54.1995, 0.2140, 0.2903)$

Have a look what the booklet for  
Yxy(54.1995, 0.2140, 0.2903)  
contains.

<b>Yxy(54.0058, 0.2140, 0.2901)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**$\text{Yxy}(54.0058, 0.2140, 0.2901)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	02D5F2
RGB	2, 213, 242
RGB Percent	1%, 84%, 95%
CMY	0.9930, 0.1647, 0.0510
CMYK	0.99, 0.12, 0.00, 0.05
HSL	187°, 99%, 48%
HSV	187°, 99%, 95%
XYZ	39.8388, 54.0058, 92.3181
YIQ	153.2170, -135.0650, -35.7130

# Conversions

## Conversions Part 2

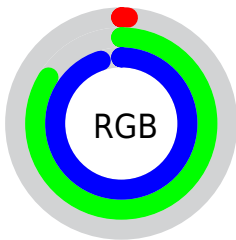
Format	Color
R <sub>Y</sub> B	2, 114, 242
Decimal	185842
CIE Lab	78.47, -32.99, -26.42
CIE LCh	78, 42.265, 218.696
Yxy	54.0058, 0.2140, 0.2901
Android (android.graphics.Color)	4278375922 (0xFF02D5F2)
YUV	153.2170, 43.7700, -132.6173
Hunter-Lab	73.4886, -31.8387, -23.0394

# Details

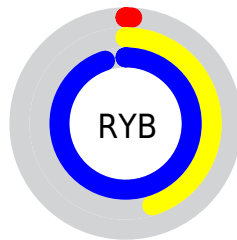
The Yxy color **54.0058, 0.2140, 0.2901** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **19.8473, 0.6302, 0.3371**, and the grayscale version is **31.7729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **27.9989, 0.2112, 0.2804** is the 20% darker color. If you saturate the color by 10%, you get **53.8879, 0.2138, 0.2898**, and if you desaturate by 10%, it is **55.6982, 0.2165, 0.2943**.

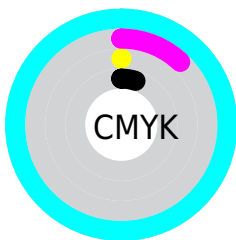
# Distribution



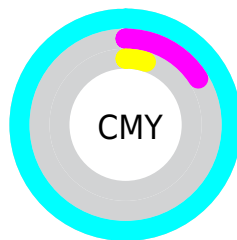
- Red (1%)
- Green (84%)
- Blue (95%)



- Red (1%)
- Yellow (45%)
- Blue (95%)



- Cyan (99%)
- Magenta (12%)
- Yellow (0%)
- Black (5%)



- Cyan (99%)
- Magenta (16%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.0058, 0.2140, 0.2901 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 54.0058, 0.2140, 0.2901 by changing the saturation by 10% instead.





 54.0058, 0.2140,  
0.2901

 54.0058, 0.2140,  
0.2901


402.1321, 0.2599,  
0.3105

 38.6063, 0.2036,  
0.2849


 96.0828, 0.2299,  
0.2977


 26.4536, 0.1909,  
0.2781


 123.5290, 0.2361,  
0.3005


 17.1633, 0.1751,  
0.2692

 155.7596, 0.2414,  
0.3028

 10.3510, 0.1550,  
0.2568

 193.1590, 0.2461,  
0.3048

 5.6323, 0.1288,  
0.2389

 236.1116, 0.2502,  
0.3065

 2.6228, 0.0946,  
0.2114

285.0017, 0.2538,

 0.9381, 0.0158,

0.3080

0.1731

340.2137, 0.2570,  
0.3094

■ 0.0000, 0.0000,  
0.0000

■ 54.0058, 0.2140,  
0.2901

■ 54.0058, 0.2140,  
0.2901

■ 53.8879, 0.2138,  
0.2898

■ 55.6982, 0.2165,  
0.2943

■ 57.6708, 0.2207,  
0.2985

■ 59.9950, 0.2268,  
0.3028

■ 62.7158, 0.2348,  
0.3071

■ 65.8712, 0.2447,  
0.3112

■ 69.4945, 0.2563,  
0.3153

■ 73.6154, 0.2693,  
0.3191

■ 78.2614, 0.2835,  
0.3228

■ 83.4576, 0.2984,  
0.3261

# Harmonies

## Analogous

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



54.0058, 0.2361, 0.3438



54.0058, 0.2140, 0.2901



54.0058, 0.2154, 0.2543

# Triad

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



54.0058, 0.2140, 0.2901



54.0058, 0.3406, 0.2717



54.0058, 0.3851, 0.4248

# Complementary

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



54.0058, 0.2140, 0.2901



19.8473, 0.6302, 0.3371

# 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.



54.0058, 0.4187, 0.3942



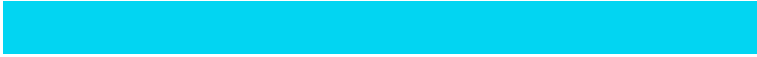
54.0058, 0.2140, 0.2901



54.0058, 0.3933, 0.3087

# Square

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



54.0058, 0.2140, 0.2901



54.0058, 0.2840, 0.2474



54.0058, 0.4226, 0.3520

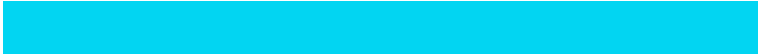


54.0058, 0.3336, 0.4293

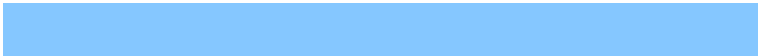


# Rectangle

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



54.0058, 0.2140, 0.2901



54.0058, 0.2291, 0.2428



54.0058, 0.4226, 0.3520



54.0058, 0.3989, 0.4168

# Sweetspot

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



54.0077, 0.2140, 0.2901



82.5138, 0.2682, 0.3188



63.6012, 0.2980, 0.5921



17.2306, 0.2626, 0.3172



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

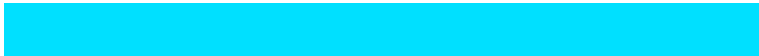


# Same Dimension

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



54.0077, 0.2140, 0.2901



60.6506, 0.2138, 0.2897



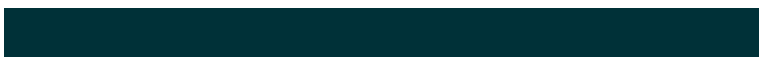
14.4025, 0.1668, 0.1199



17.5842, 0.2981, 0.3261



29.0876, 0.2140, 0.2905



2.5107, 0.2156, 0.2960



# Inverse Universe

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



23.7177, 0.3542, 0.1727



26.6539, 0.3546, 0.1727



40.6629, 0.5078, 0.4346



15.9966, 0.3156, 0.3085



12.7298, 0.3539, 0.1723

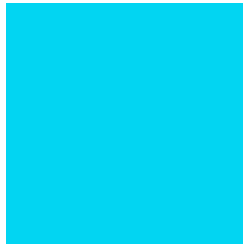


1.0682, 0.3489, 0.1696



# Previews

## White Background



This preview shows how the Yxy color 54.0058, 0.2140, 0.2901 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

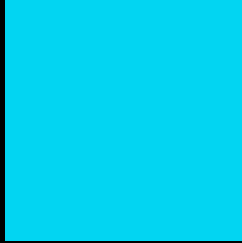
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.0058, 0.2140, 0.2901 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

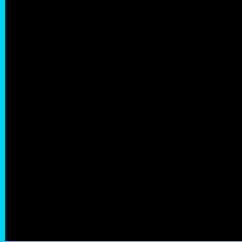
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 54.0058, 0.2140, 0.2901**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.0058, 0.2140, 0.2901.



This preview shows how white text looks on a background with the Yxy color 54.0058, 0.2140, 0.2901.

# 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

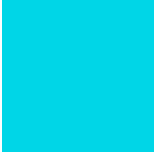
54.0122, 0.2140, 0.2901

### Protanopia

53.1219, 0.2826, 0.2859

### Deuteranopia

53.0557, 0.2678, 0.2617



## Tritanopia

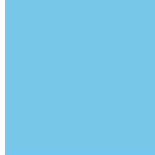
53.8627, 0.2182, 0.3055

# Trichromacy



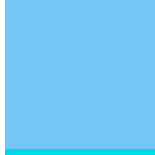
## Original Color

54.0122, 0.2140, 0.2901



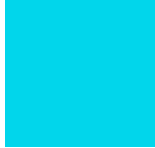
## Protanomaly

50.5246, 0.2401, 0.2857



## Deuteranomaly

50.6937, 0.2329, 0.2690



## Tritanomaly

54.0977, 0.2168, 0.3003

# Monochromacy



## Original Color

54.0122, 0.2140, 0.2901



## Achromatopsia

31.8547, 0.3127, 0.3290



## Achromatomaly

36.7594, 0.2482, 0.3133

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.0058, 0.2140, 0.2901 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, 213, 242)` looks like.

```
.text, #text, p{  
    color:rgb(2, 213, 242)  
}
```

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, 213, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 213, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 54.0058, 0.2140, 0.2901 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, 213, 242) }
```

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

```
.border{ border-color:rgb(2, 213, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 213, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(2, 213, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(2, 213, 242); box-shadow:4px 4px 4px 4px rgb(2, 213, 242) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.0058, 0.2140, 0.2901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 213, 242) }
```

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

```
.background{ background-color: rgb(2, 213,  
242) }
```

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