

# Converting Colors

$Y_{xy}(53.0379, 0.2163, 0.2988)$

Have a look what the booklet for  
Yxy(53.0379, 0.2163, 0.2988)  
contains.

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# Color

**Yxy(53.0275, 0.2163, 0.2988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00D4EA
RGB	0, 212, 234
RGB Percent	0%, 83%, 92%
CMY	1.0000, 0.1686, 0.0823
CMYK	1.00, 0.09, 0.00, 0.08
HSL	186°, 100%, 46%
HSV	186°, 100%, 92%
XYZ	38.3864, 53.0275, 86.0543
YIQ	151.1200, -133.4140, -38.1020

# Conversions

## Conversions Part 2

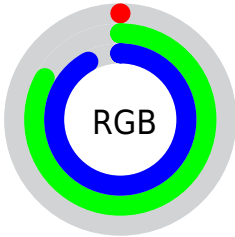
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 111, 234
Decimal	54506
CIELab	77.89, -35.12, -23.03
CIELCh	78, 41.996, 213.259
Yxy	53.0275, 0.2163, 0.2988
Android (android.graphics.Color)	4278244586 (0xFF00D4EA)
YUV	151.1200, 40.8598, -132.5322
Hunter-Lab	72.8200, -33.3404, -19.0914

# Details

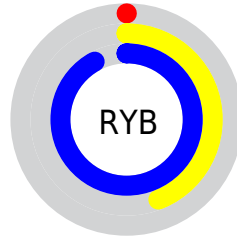
The Yxy color **53.0275, 0.2163, 0.2988** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.0660, 0.6341, 0.3348**, and the grayscale version is **30.8699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **27.3283, 0.2143, 0.2915** is the 20% darker color. If you saturate the color by 10%, you get **53.0349, 0.2163, 0.2988**, and if you desaturate by 10%, it is **54.3287, 0.2185, 0.3020**.

# Distribution



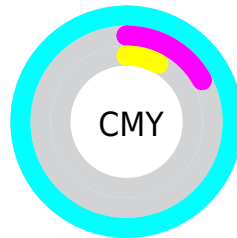
- Red (0%)
- Green (83%)
- Blue (92%)



- Red (0%)
- Yellow (44%)
- Blue (92%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (17%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0275, 0.2163, 0.2988 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 53.0275, 0.2163, 0.2988 by changing the saturation by 10% instead.





 53.0275, 0.2163,  
0.2988


 53.0275, 0.2163,  
0.2988


398.3906, 0.2614,  
0.3151

 37.8247, 0.2060,  
0.2945

 94.6448, 0.2320,  
0.3049


 25.8467, 0.1934,  
0.2888


 121.8282, 0.2381,  
0.3072

 16.7090, 0.1775,  
0.2812


 153.7738, 0.2433,  
0.3091

 10.0272, 0.1572,  
0.2705

 190.8662, 0.2479,  
0.3106

 5.4170, 0.1306,  
0.2545

 233.4897, 0.2519,  
0.3120

 2.4940, 0.0954,  
0.2290

282.0286, 0.2554,

 0.8736, 0.0000,

0.3132

0.1950

336.8675, 0.2586,  
0.3142

■ 0.0000, 0.0000,  
0.0000

■ 53.0275, 0.2163,  
0.2988

■ 53.0275, 0.2163,  
0.2988

■ 53.0349, 0.2163,  
0.2988

■ 54.3287, 0.2185,  
0.3020

■ 55.8633, 0.2222,  
0.3052

■ 57.7103, 0.2278,  
0.3085

■ 59.9116, 0.2354,  
0.3118

■ 62.5023, 0.2448,  
0.3150

■ 65.5133, 0.2560,  
0.3181

■ 68.9723, 0.2686,  
0.3211

■ 72.9045, 0.2825,  
0.3239

■ 77.3331, 0.2973,  
0.3266

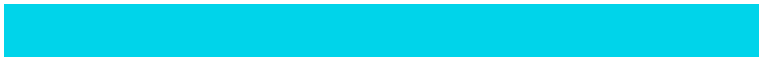
# Harmonies

## Analogous

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



53.0275, 0.2426, 0.3543



53.0275, 0.2163, 0.2988



53.0275, 0.2134, 0.2592

# Triad

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



53.0275, 0.2163, 0.2988



53.0275, 0.3301, 0.2662



53.0275, 0.3929, 0.4207

# Complementary

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



53.0275, 0.2163, 0.2988



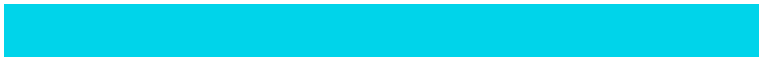
18.0660, 0.6341, 0.3348

# 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.



53.0275, 0.4218, 0.3870



53.0275, 0.2163, 0.2988



53.0275, 0.3849, 0.3013

# Square

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



53.0275, 0.2163, 0.2988



53.0275, 0.2747, 0.2448



53.0275, 0.4197, 0.3440



53.0275, 0.3436, 0.4310

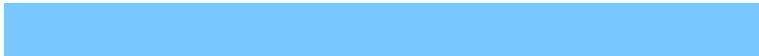


# Rectangle

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



53.0275, 0.2163, 0.2988



53.0275, 0.2244, 0.2450



53.0275, 0.4197, 0.3440



53.0275, 0.4054, 0.4113

# Sweetspot

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



53.0349, 0.2163, 0.2988



83.7635, 0.2685, 0.3211



58.8954, 0.2988, 0.5956



17.5337, 0.2629, 0.3198



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

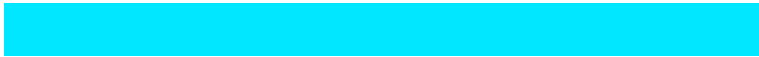


# Same Dimension

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



53.0349, 0.2163, 0.2988



64.3941, 0.2163, 0.2987



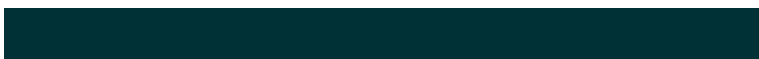
14.5828, 0.1691, 0.1286



16.8658, 0.2981, 0.3267



29.9029, 0.2165, 0.2993



2.4187, 0.2177, 0.3038



# Inverse Universe

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



22.2469, 0.3465, 0.1682



27.0318, 0.3466, 0.1683



35.2425, 0.5183, 0.4267



15.2879, 0.3152, 0.3079



12.5115, 0.3460, 0.1680

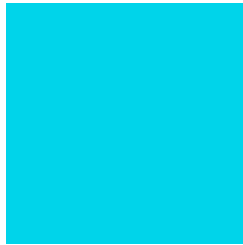


0.9896, 0.3421, 0.1658



# Previews

## White Background



This preview shows how the Yxy color 53.0275, 0.2163, 0.2988 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

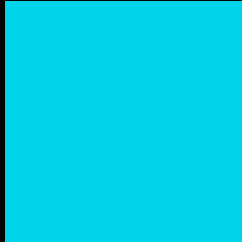
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0275, 0.2163, 0.2988 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

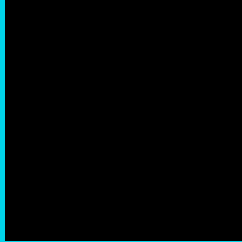
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.0275, 0.2163, 0.2988**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0275, 0.2163, 0.2988.



This preview shows how white text looks on a background with the Yxy color 53.0275, 0.2163, 0.2988.

# 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

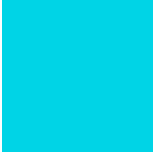
53.0275, 0.2163, 0.2988

### Protanopia

52.3805, 0.2886, 0.2939

### Deuteranopia

52.1462, 0.2739, 0.2670



## Tritanopia

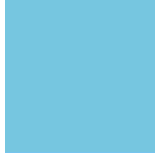
52.8001, 0.2178, 0.3040

# Trichromacy



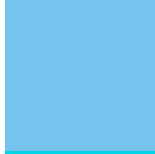
## Original Color

53.0275, 0.2163, 0.2988



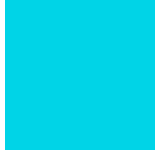
## Protanomaly

49.6215, 0.2438, 0.2942



## Deuteranomaly

49.5045, 0.2365, 0.2745



## Tritanomaly

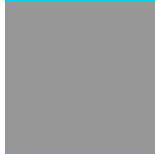
52.8565, 0.2174, 0.3027

# Monochromacy



## Original Color

53.0275, 0.2163, 0.2988



## Achromatopsia

30.9469, 0.3127, 0.3290



## Achromatomaly

35.7101, 0.2489, 0.3162

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.0275, 0.2163, 0.2988 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, 212, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 234)  
}
```

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, 212, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0275, 0.2163, 0.2988 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, 212, 234) }
```

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

```
.border{ border-color:rgb(0, 212, 234) }
```

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

Here you see how a box with a 4 pixel rgb(0, 212, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0275, 0.2163, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 234) }
```

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

```
.background{ background-color: rgb(0, 212,  
234) }
```

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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