

# Converting Colors

$Y_{xy}(43.2544, 0.2141, 0.2907)$

Have a look what the booklet for  
Yxy(43.2544, 0.2141, 0.2907)  
contains.

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# Color

**Yxy(43.2544, 0.2141, 0.2907)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00C1DB
RGB	0, 193, 219
RGB Percent	0%, 76%, 86%
CMY	0.9992, 0.2431, 0.1412
CMYK	1.00, 0.12, 0.00, 0.14
HSL	187°, 100%, 43%
HSV	187°, 100%, 86%
XYZ	31.8568, 43.2544, 73.6828
YIQ	138.2570, -123.3740, -32.8300

# Conversions

## Conversions Part 2

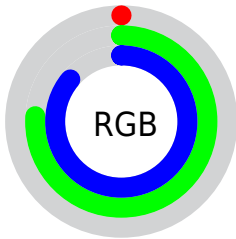
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	0, 103, 219
Decimal	49627
CIE Lab	71.73, -30.82, -24.34
CIE LCh	72, 39.269, 218.296
Yxy	43.2544, 0.2141, 0.2907
Android (android.graphics.Color)	4278239707 (0xFF00C1DB)
YUV	138.2570, 39.8063, -121.2514
Hunter-Lab	65.7681, -28.6322, -20.3874

# Details

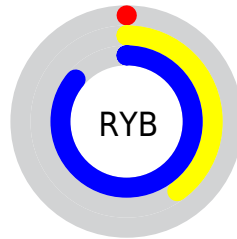
The Yxy color **43.2544, 0.2141, 0.2907** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **15.8071, 0.6310, 0.3371**, and the grayscale version is **25.4238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7170, 0.2392, 0.3229**, and **21.1456, 0.2112, 0.2803** is the 20% darker color. If you saturate the color by 10%, you get **43.2439, 0.2141, 0.2907**, and if you desaturate by 10%, it is **44.5869, 0.2167, 0.2948**.

# Distribution



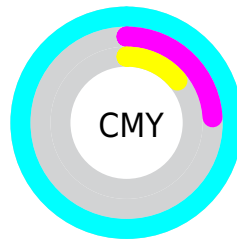
- Red (0%)
- Green (76%)
- Blue (86%)



- Red (0%)
- Yellow (40%)
- Blue (86%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (14%)




- Cyan (100%)
- Magenta (24%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2544, 0.2141, 0.2907 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 43.2544, 0.2141, 0.2907 by changing the saturation by 10% instead.





 43.2544, 0.2141,  
0.2907


 43.2544, 0.2141,  
0.2907

359.6569, 0.2618,  
0.3116


 30.0848, 0.2029,  
0.2851


 80.0946, 0.2310,  
0.2986

 19.9029, 0.1888,  
0.2777


 104.5340, 0.2375,  
0.3015

 12.3245, 0.1710,  
0.2675


 133.4988, 0.2430,  
0.3039

 6.9651, 0.1478,  
0.2530

 167.3733, 0.2478,  
0.3059

 3.4403, 0.1168,  
0.2309

 206.5420, 0.2520,  
0.3076

 1.3657, 0.0692,  
0.1963

251.3892, 0.2556,

 0.1912, 0.0000,

0.3091

0.0783

302.2994, 0.2589,  
0.3104

■ 0.0000, 0.0000,  
0.0000

■ 43.2544, 0.2141,  
0.2907

■ 43.2544, 0.2141,  
0.2907

■ 43.2439, 0.2141,  
0.2907

■ 44.5869, 0.2167,  
0.2948

■ 46.1315, 0.2207,  
0.2989

■ 47.9521, 0.2267,  
0.3031

■ 50.0841, 0.2346,  
0.3073

■ 52.5573, 0.2444,  
0.3114

■ 55.3981, 0.2558,  
0.3153

■ 58.6298, 0.2687,  
0.3191

■ 62.2739, 0.2827,  
0.3227

■ 66.3504, 0.2975,  
0.3260

# Harmonies

## Analogous

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



43.2544, 0.2365, 0.3445



43.2544, 0.2141, 0.2907



43.2544, 0.2152, 0.2546

# Triad

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



43.2544, 0.2141, 0.2907



43.2544, 0.3399, 0.2713



43.2544, 0.3857, 0.4246

# Complementary

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



43.2544, 0.2141, 0.2907



15.8071, 0.6310, 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.



43.2544, 0.4190, 0.3937



43.2544, 0.2141, 0.2907



43.2544, 0.3927, 0.3081

# Square

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



43.2544, 0.2141, 0.2907



43.2544, 0.2833, 0.2472



43.2544, 0.4225, 0.3514



43.2544, 0.3344, 0.4295

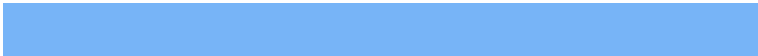


# Rectangle

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



43.2544, 0.2141, 0.2907



43.2544, 0.2287, 0.2429



43.2544, 0.4225, 0.3514



43.2544, 0.3995, 0.4164

# Sweetspot

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



43.2559, 0.2141, 0.2907



82.6020, 0.2682, 0.3190



50.7346, 0.2979, 0.5923



17.2519, 0.2626, 0.3174



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

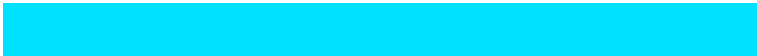


# Same Dimension

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



43.2559, 0.2141, 0.2907



60.9112, 0.2140, 0.2903



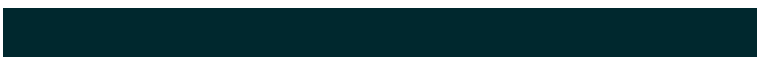
11.4676, 0.1666, 0.1197



14.5517, 0.2982, 0.3261



25.7496, 0.2143, 0.2913



1.7444, 0.2161, 0.2980



# Inverse Universe

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



18.9139, 0.3537, 0.1722



26.6802, 0.3540, 0.1724



32.4223, 0.5081, 0.4347



13.2468, 0.3156, 0.3086



11.2232, 0.3532, 0.1719



0.7348, 0.3472, 0.1686



# Previews

## White Background



This preview shows how the Yxy color 43.2544, 0.2141, 0.2907 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 43.2544, 0.2141, 0.2907 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

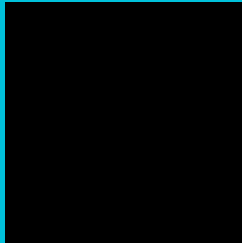
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.2544, 0.2141, 0.2907**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.2544, 0.2141, 0.2907.



This preview shows how white text looks on a background with the Yxy color 43.2544, 0.2141, 0.2907.

# 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

43.2544, 0.2141, 0.2907

### Protanopia

42.6197, 0.2836, 0.2870

### Deuteranopia

42.5070, 0.2679, 0.2616



## Tritanopia

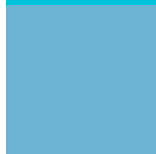
43.2367, 0.2180, 0.3048

# Trichromacy



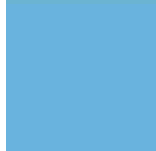
## Original Color

43.2544, 0.2141, 0.2907



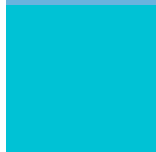
## Protanomaly

40.4215, 0.2405, 0.2858



## Deuteranomaly

40.5174, 0.2331, 0.2688



## Tritanomaly

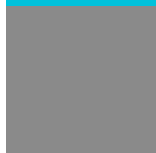
43.3877, 0.2168, 0.3005

# Monochromacy



## Original Color

43.2544, 0.2141, 0.2907



## Achromatopsia

25.4152, 0.3127, 0.3290



## Achromatomaly

29.3184, 0.2483, 0.3134

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2544, 0.2141, 0.2907 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, 193, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 219)  
}
```

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, 193, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2544, 0.2141, 0.2907 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, 193, 219) }
```

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

```
.border{ border-color:rgb(0, 193, 219) }
```

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

Here you see how a box with a 4 pixel rgb(0, 193, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2544, 0.2141, 0.2907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 219) }
```

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

```
.background{ background-color: rgb(0, 193,  
219) }
```

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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