

# Converting Colors

$Y_{xy}(37.7325, 0.1582, 0.2588)$

Have a look what the booklet for  
Yxy(37.7325, 0.1582, 0.2588)  
contains.

<b>Yxy(43.2598, 0.2075, 0.2669)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(43.2598, 0.2075, 0.2669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BFEB
RGB	0, 191, 235
RGB Percent	0%, 75%, 92%
CMY	0.9983, 0.2510, 0.0783
CMYK	1.00, 0.19, 0.00, 0.08
HSL	191°, 100%, 46%
HSV	191°, 100%, 92%
XYZ	33.6321, 43.2598, 85.1905
YIQ	138.9070, -127.9600, -26.8080

# Conversions

## Conversions Part 2

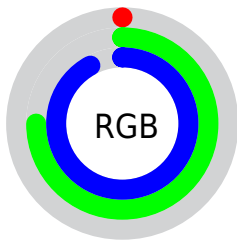
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 105, 235
Decimal	49131
CIELab	71.73, -24.50, -33.03
CIELCh	72, 41.126, 233.436
Yxy	43.2598, 0.2075, 0.2669
Android (android.graphics.Color)	4278239211 (0xFF00BFEB)
YUV	138.9070, 47.3738, -121.8214
Hunter-Lab	65.7722, -23.8267, -30.7540

# Details

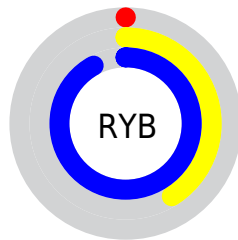
The Yxy color **43.2598, 0.2075, 0.2669** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **19.5030, 0.6216, 0.3445**, and the grayscale version is **25.6848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6698, 0.2396, 0.3206**, and **21.1460, 0.2032, 0.2516** is the 20% darker color. If you saturate the color by 10%, you get **43.2228, 0.2074, 0.2668**, and if you desaturate by 10%, it is **45.4049, 0.2108, 0.2737**.

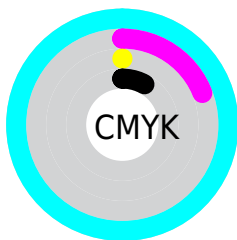
# Distribution



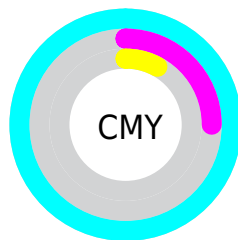
- Red (0%)
- Green (75%)
- Blue (92%)



- Red (0%)
- Yellow (41%)
- Blue (92%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (25%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2598, 0.2075, 0.2669 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 43.2598, 0.2075, 0.2669 by changing the saturation by 10% instead.





 43.2598, 0.2075,  
0.2669

 43.2598, 0.2075,  
0.2669


359.6791, 0.2579,  
0.2992

 30.0890, 0.1958,  
0.2587


 80.1028, 0.2252,  
0.2788

 19.9062, 0.1813,  
0.2482


 104.5437, 0.2320,  
0.2832

 12.3269, 0.1632,  
0.2343


 133.5102, 0.2379,  
0.2869

 6.9667, 0.1398,  
0.2152

 167.3866, 0.2430,  
0.2901

 3.4413, 0.1096,  
0.1882

 206.5573, 0.2474,  
0.2929

 1.3662, 0.0692,  
0.1486

251.4067, 0.2514,

 0.1916, 0.0000,

0.2952

0.0519

302.3191, 0.2548,  
0.2973

■ 0.0000, 0.0000,  
0.0000

■ 43.2598, 0.2075,  
0.2669

■ 43.2598, 0.2075,  
0.2669

■ 43.2228, 0.2074,  
0.2668

■ 45.4049, 0.2108,  
0.2737

■ 47.8377, 0.2158,  
0.2805

■ 50.6306, 0.2227,  
0.2874

■ 53.8262, 0.2316,  
0.2942

■ 57.4605, 0.2423,  
0.3008

■ 61.5648, 0.2545,  
0.3073

■ 66.1676, 0.2680,  
0.3133

■ 71.2947, 0.2825,  
0.3190

■ 76.9700, 0.2976,  
0.3243

# Harmonies

## Analogous

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



43.2598, 0.2184, 0.3150



43.2598, 0.2075, 0.2669



43.2598, 0.2208, 0.2412

# Triad

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



43.2598, 0.2075, 0.2669



43.2598, 0.3709, 0.2868



43.2598, 0.3631, 0.4362

# Complementary

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



43.2598, 0.2075, 0.2669



19.5030, 0.6216, 0.3445

# 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.



43.2598, 0.4093, 0.4150



43.2598, 0.2075, 0.2669



43.2598, 0.4163, 0.3293

# Square

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



43.2598, 0.2075, 0.2669



43.2598, 0.3109, 0.2544



43.2598, 0.4302, 0.3749



43.2598, 0.3057, 0.4231



# Rectangle

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



43.2598, 0.2075, 0.2669



43.2598, 0.2424, 0.2367



43.2598, 0.4302, 0.3749



43.2598, 0.3805, 0.4322

# Sweetspot

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



43.2613, 0.2075, 0.2669



79.4432, 0.2676, 0.3132



59.6098, 0.2957, 0.5843



16.4877, 0.2617, 0.3106



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

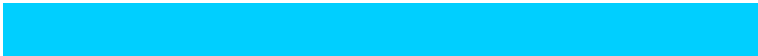


# Same Dimension

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



43.2613, 0.2075, 0.2669



51.9138, 0.2074, 0.2665



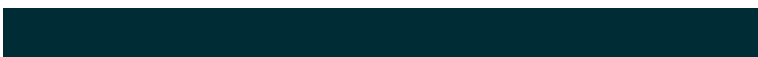
10.9967, 0.1616, 0.1015



16.6133, 0.2981, 0.3245



24.2274, 0.2077, 0.2679



2.0264, 0.2104, 0.2773



# Inverse Universe

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



21.4367, 0.3758, 0.1844



25.7719, 0.3762, 0.1846



43.0646, 0.4899, 0.4491



15.2625, 0.3167, 0.3101



11.9386, 0.3748, 0.1839

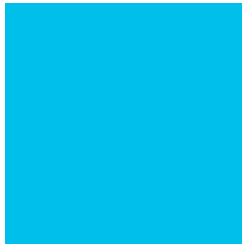


0.9500, 0.3660, 0.1790



# Previews

## White Background



This preview shows how the Yxy color 43.2598, 0.2075, 0.2669 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 43.2598, 0.2075, 0.2669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

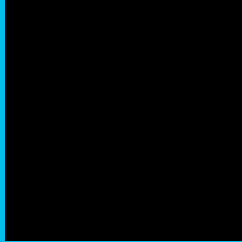
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.2598, 0.2075, 0.2669**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.2598, 0.2075, 0.2669.



This preview shows how white text looks on a background with the Yxy color 43.2598, 0.2075, 0.2669.

# 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

43.2598, 0.2075, 0.2669

### Protanopia

42.7890, 0.2679, 0.2673

### Deuteranopia

42.6071, 0.2511, 0.2451



## Tritanopia

43.1870, 0.2184, 0.3062

# Trichromacy



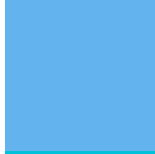
## Original Color

43.2598, 0.2075, 0.2669



## Protanomaly

41.0171, 0.2305, 0.2652



## Deuteranomaly

41.0099, 0.2225, 0.2493



## Tritanomaly

43.2019, 0.2145, 0.2921

# Monochromacy



## Original Color

43.2598, 0.2075, 0.2669



## Achromatopsia

25.8183, 0.3127, 0.3290



## Achromatomaly

29.6336, 0.2445, 0.3020

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.2598, 0.2075, 0.2669 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, 191, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 235)  
}
```

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, 191, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 43.2598, 0.2075, 0.2669 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, 191, 235) }
```

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

```
.border{ border-color:rgb(0, 191, 235) }
```

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

Here you see how a box with a 4 pixel rgb(0, 191, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.2598, 0.2075, 0.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 235) }
```

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

```
.background{ background-color: rgb(0, 191,  
235) }
```

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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