

# Converting Colors

$Yxy(32.9625, 0.2066, 0.2635)$

Have a look what the booklet for  
Yxy(32.9625, 0.2066, 0.2635)  
contains.

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# Color

**Yxy(33.0355, 0.2069, 0.2646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01A9D2
RGB	1, 169, 210
RGB Percent	0%, 66%, 82%
CMY	0.9963, 0.3372, 0.1765
CMYK	1.00, 0.20, 0.00, 0.18
HSL	192°, 99%, 41%
HSV	192°, 100%, 82%
XYZ	25.8316, 33.0355, 65.9836
YIQ	123.4420, -113.2890, -22.8650

# Conversions

## Conversions Part 2

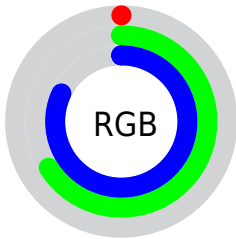
<b>Format</b>	<b>Color</b>
<b>RYB</b>	1, 94, 210
Decimal	109010
CIELab	64.19, -21.77, -30.99
CIELCh	64, 37.873, 234.909
Yxy	33.0355, 0.2069, 0.2646
Android (android.graphics.Color)	4278299090 (0xFF01A9D2)
YUV	123.4420, 42.6731, -107.3816
Hunter-Lab	57.4765, -20.3608, -27.8319

# Details

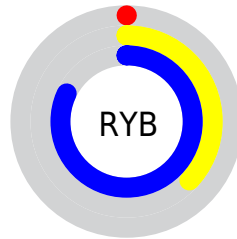
The Yxy color **33.0355, 0.2069, 0.2646** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.3534, 0.6186, 0.3465**, and the grayscale version is **19.8390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4149, 0.2308, 0.2910**, and **15.0891, 0.2025, 0.2488** is the 20% darker color. If you saturate the color by 10%, you get **32.9626, 0.2068, 0.2643**, and if you desaturate by 10%, it is **34.7567, 0.2105, 0.2717**.

# Distribution



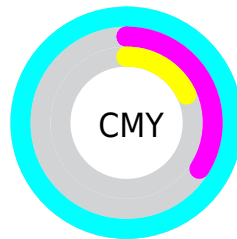
- Red (0%)
- Green (66%)
- Blue (82%)



- Red (0%)
- Yellow (37%)
- Blue (82%)



- Cyan (100%)
- Magenta (20%)
- Yellow (0%)
- Black (18%)




- Cyan (100%)
- Magenta (34%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.0355, 0.2069, 0.2646 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 33.0355, 0.2069, 0.2646 by changing the saturation by 10% instead.





 33.0355, 0.2069,  
0.2646


 33.0355, 0.2069,  
0.2646


315.8097, 0.2600,  
0.2994


 22.1536, 0.1939,  
0.2553


 64.4309, 0.2261,  
0.2778


 13.9698, 0.1776,  
0.2430


 85.7133, 0.2333,  
0.2826


 8.0997, 0.1565,  
0.2263


 111.2313, 0.2395,  
0.2866

 4.1588, 0.1287,  
0.2026

 141.3694, 0.2447,  
0.2899

 1.7628, 0.0919,  
0.1675

 176.5118, 0.2493,  
0.2928

 0.4638, 0.0000,  
0.1068

217.0431, 0.2533,

 0.0000, 0.0000,

0.2953

0.0000

263.3476, 0.2568,  
0.2975

■ 33.0355, 0.2069,  
0.2646

■ 33.0355, 0.2069,  
0.2646

■ 32.9626, 0.2068,  
0.2643

■ 34.7567, 0.2105,  
0.2717

■ 36.7040, 0.2157,  
0.2788

■ 38.9336, 0.2228,  
0.2859

■ 41.4775, 0.2319,  
0.2930

■ 44.3629, 0.2427,  
0.3000

■ 47.6135, 0.2550,  
0.3066

■ 51.2508, 0.2686,  
0.3129

■ 55.2944, 0.2830,  
0.3188

■ 59.7625, 0.2981,  
0.3243

# Harmonies

## Analogous

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



33.0355, 0.2166, 0.3120



33.0355, 0.2069, 0.2646



33.0355, 0.2214, 0.2399

# Triad

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



33.0355, 0.2069, 0.2646



33.0355, 0.3741, 0.2884



33.0355, 0.3607, 0.4372

# Complementary

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



33.0355, 0.2069, 0.2646



15.3534, 0.6186, 0.3465

# 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.



33.0355, 0.4082, 0.4172



33.0355, 0.2069, 0.2646



33.0355, 0.4186, 0.3315

# Square

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



33.0355, 0.2069, 0.2646



33.0355, 0.3138, 0.2552



33.0355, 0.4308, 0.3773



33.0355, 0.3028, 0.4223



# Rectangle

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



33.0355, 0.2069, 0.2646



33.0355, 0.2439, 0.2361



33.0355, 0.4308, 0.3773



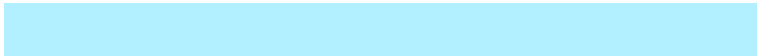
33.0355, 0.3784, 0.4338

# Sweetspot

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



33.0366, 0.2069, 0.2646



79.0650, 0.2675, 0.3124



46.2448, 0.2954, 0.5831



16.3964, 0.2616, 0.3098



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

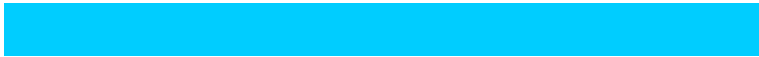


# Same Dimension

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



33.0366, 0.2069, 0.2646



50.8842, 0.2065, 0.2635



8.6894, 0.1621, 0.1031



12.9967, 0.2983, 0.3243



20.2507, 0.2070, 0.2653



1.2354, 0.2106, 0.2783



# Inverse Universe

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



16.5859, 0.3779, 0.1857



25.6679, 0.3790, 0.1862



33.5864, 0.4890, 0.4496



11.9677, 0.3167, 0.3105



10.1156, 0.3773, 0.1852



0.5760, 0.3651, 0.1785



# Previews

## White Background



This preview shows how the Yxy color 33.0355, 0.2069, 0.2646 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

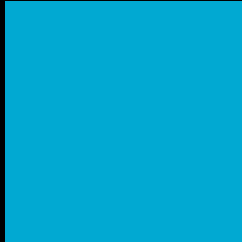
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.0355, 0.2069, 0.2646 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

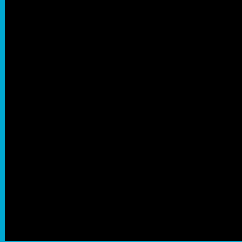
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.0355, 0.2069, 0.2646**

## **Background**



This preview shows how black text looks on a background with the Yxy color 33.0355, 0.2069, 0.2646.

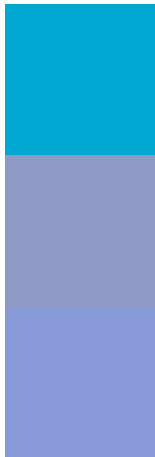


This preview shows how white text looks on a background with the Yxy color 33.0355, 0.2069, 0.2646.

# 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

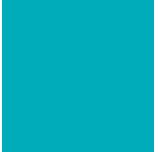
33.0355, 0.2069, 0.2646

### Protanopia

32.6993, 0.2662, 0.2645

### Deuteranopia

32.7884, 0.2492, 0.2438



## **Tritanopia**

33.0078, 0.2186, 0.3069

# Trichromacy



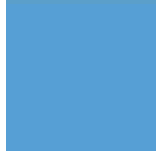
## Original Color

33.0355, 0.2069, 0.2646



## Protanomaly

31.2847, 0.2298, 0.2626



## Deuteranomaly

31.5788, 0.2217, 0.2479



## Tritanomaly

33.0209, 0.2142, 0.2911

# Monochromacy



## Original Color

33.0355, 0.2069, 0.2646



## Achromatopsia

19.8069, 0.3127, 0.3290



## Achromatomaly

22.7850, 0.2445, 0.3008

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.0355, 0.2069, 0.2646 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(1, 169, 210)` looks like.

```
.text, #text, p{  
    color:rgb(1, 169, 210)  
}
```

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(1, 169, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 169, 210) }
```

## Border

The CSS property to change the border of an element to Yxy 33.0355, 0.2069, 0.2646 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(1, 169, 210) }
```

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

```
.border{ border-color:rgb(1, 169, 210) }
```

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

Here you see how a box with a 4 pixel rgb(1, 169, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 169, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 169, 210);  
box-shadow:4px 4px 4px 4px rgb(1, 169,  
210) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.0355, 0.2069, 0.2646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 169, 210) }
```

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

```
.background{ background-color: rgb(1, 169,  
210) }
```

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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