

# Converting Colors

Yxy(59.2124, 0.2084, 0.3752)

Have a look what the booklet for  
Yxy(59.2124, 0.2084, 0.3752)  
contains.

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**Color**

**Yxy(63.1099, 0.2370, 0.3731)**

# Conversions

Conversions Part 1	
Format	Color
Hex	00EACA
RGB	0, 234, 202
RGB Percent	0%, 92%, 79%
CMY	0.9981, 0.0824, 0.2078
CMYK	1.00, 0.00, 0.14, 0.08
HSL	172°, 100%, 46%
HSV	172°, 100%, 92%
XYZ	40.0886, 63.1099, 65.9516
YIQ	160.3860, -129.1920, -59.5600

# Conversions

## Conversions Part 2

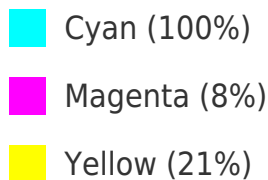
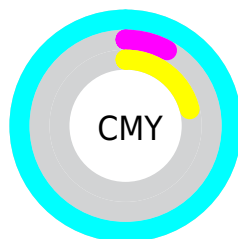
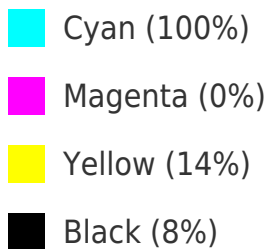
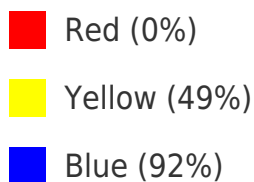
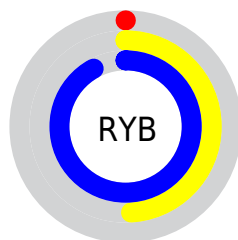
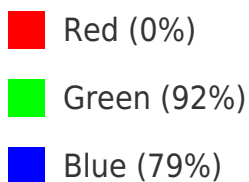
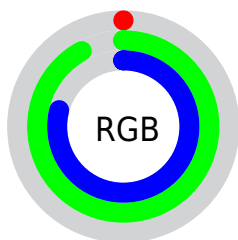
Format	Color
<a href="#">RYB</a>	<a href="#">0, 126, 234</a>
Decimal	<a href="#">60106</a>
CIELab	<a href="#">83.50, -53.91, 2.33</a>
CIELCh	<a href="#">84, 53.960, 177.523</a>
Yxy	<a href="#">63.1099, 0.2370, 0.3731</a>
Android (android.graphics.Color)	<a href="#">4278250186</a> (0xFF00EACA)
YUV	<a href="#">160.3860, 20.5157, -140.6585</a>
Hunter-Lab	<a href="#">79.4417, -48.9468, 6.3873</a>

# Details

The Yxy color **63.1099, 0.2370, 0.3731** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed cyan. A complement of this color would be **17.6097, 0.6240, 0.3213**, and the grayscale version is **35.3612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **33.5824, 0.2393, 0.3815** is the 20% darker color. If you saturate the color by 10%, you get **63.1059, 0.2370, 0.3732**, and if you desaturate by 10%, it is **63.4555, 0.2371, 0.3683**.

# Distribution





# Brightness & Saturation Gradients


These gradients show how the Yxy color 63.1099, 0.2370, 0.3731 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 63.1099, 0.2370, 0.3731 by changing the saturation by 10% instead.





 63.1099, 0.2370,  
0.3731


 63.1099, 0.2370,  
0.3731


 435.9682, 0.2727,  
0.3521


 45.9301, 0.2287,  
0.3780


 109.3280, 0.2495,  
0.3657


 32.1907, 0.2185,  
0.3842


 139.1352, 0.2543,  
0.3629


 21.5072, 0.2055,  
0.3921


 173.9203, 0.2584,  
0.3604

 13.4952, 0.1885,  
0.4025

 214.0677, 0.2620,  
0.3583

 7.7704, 0.1654,  
0.4169

 259.9618, 0.2652,  
0.3565

 3.9484, 0.1328,  
0.4378

 311.9870, 0.2680,

 1.6447, 0.0316,


0.3548


0.4977


370.5276, 0.2705,  
0.3534


 0.3875, 0.0000,  
0.5995


 0.0000, 0.0000,  
0.0000


 63.1099, 0.2370,  
0.3731


 63.1099, 0.2370,  
0.3731

 63.1059, 0.2370,  
0.3732


 63.4555, 0.2371,  
0.3683


 64.0305, 0.2387,  
0.3635


 64.9071, 0.2422,  
0.3586


 66.1267, 0.2477,  
0.3538

 67.7245, 0.2550,  
0.3490

 69.7311, 0.2642,  
0.3445

 72.1743, 0.2748,  
0.3402

 75.0790, 0.2867,  
0.3361

 78.4685, 0.2995,  
0.3324

# Harmonies

## Analogous

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



63.1099, 0.2946, 0.4341



63.1099, 0.2370, 0.3731



63.1099, 0.2018, 0.3028

# Triad

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



63.1099, 0.2370, 0.3731



63.1099, 0.2557, 0.2271



63.1099, 0.4468, 0.3864

# Complementary

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



63.1099, 0.2370, 0.3731



17.6097, 0.6240, 0.3213

# 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.



63.1099, 0.4373, 0.3350



63.1099, 0.2370, 0.3731



63.1099, 0.3196, 0.2484

# Square

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



63.1099, 0.2370, 0.3731



63.1099, 0.2122, 0.2269



63.1099, 0.3885, 0.2866



63.1099, 0.4169, 0.4316



# Rectangle

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



63.1099, 0.2370, 0.3731



63.1099, 0.1935, 0.2657



63.1099, 0.3885, 0.2866



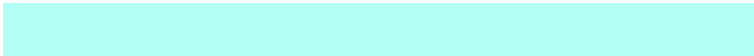
63.1099, 0.4484, 0.3694

# Sweetspot

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



63.1123, 0.2370, 0.3731



87.6076, 0.2744, 0.3403



59.2119, 0.3038, 0.5969



18.4699, 0.2698, 0.3421



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.



63.1123, 0.2370, 0.3731



76.6910, 0.2371, 0.3734



28.4883, 0.1913, 0.2086



17.0843, 0.2999, 0.3322



35.4768, 0.2368, 0.3724



2.7956, 0.2349, 0.3658



# Inverse Universe

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



17.6097, 0.6240, 0.3213



21.3809, 0.6252, 0.3218



23.5610, 0.5855, 0.3731



15.0876, 0.3271, 0.3258



9.8991, 0.6218, 0.3199

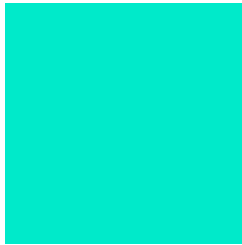


0.7880, 0.5897, 0.3022



# Previews

## White Background



This preview shows how the Yxy color 63.1099, 0.2370, 0.3731 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

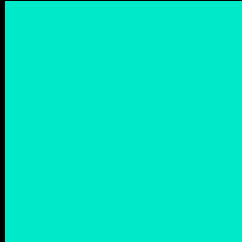
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.1099, 0.2370, 0.3731 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

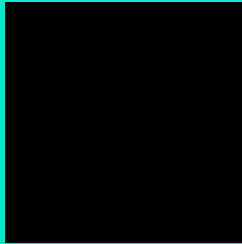
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

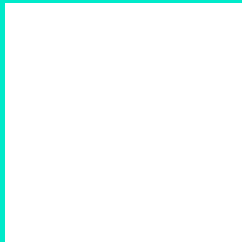
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.1099, 0.2370, 0.3731**

## Background



This preview shows how black text looks on a background with the Yxy color 63.1099, 0.2370, 0.3731.



This preview shows how white text looks on a background with the Yxy color 63.1099, 0.2370, 0.3731.

# 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

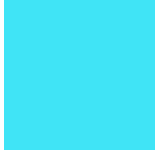
63.1099, 0.2370, 0.3731

### Protanopia

62.1775, 0.3334, 0.3510

### Deuteranopia

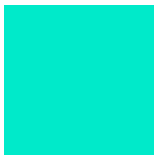
61.9196, 0.3257, 0.3190



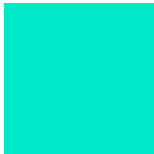
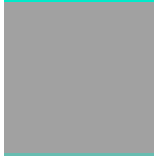
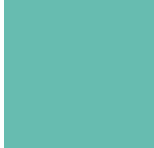
## **Tritanopia**

63.2306, 0.2250, 0.3060

# Trichromacy

	<b>Original Color</b> 63.1099, 0.2370, 0.3731
	<b>Protanomaly</b> 58.2359, 0.2750, 0.3608
	<b>Deuteranomaly</b> 57.3828, 0.2700, 0.3367
	<b>Tritanomaly</b> 62.7782, 0.2278, 0.3288

# Monochromacy

	<b>Original Color</b> 63.1099, 0.2370, 0.3731
	<b>Achromatopsia</b> 35.6400, 0.3127, 0.3290
	<b>Achromatomaly</b> 41.9846, 0.2598, 0.3472

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.1099, 0.2370, 0.3731 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, 234, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 202)  
}
```

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, 234, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 202) }
```

## Border

The CSS property to change the border of an element to Yxy 63.1099, 0.2370, 0.3731 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, 234, 202) }
```

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

```
.border{ border-color:rgb(0, 234, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 234, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
202) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.1099, 0.2370, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 202) }
```

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

```
.background{ background-color: rgb(0, 234,  
202) }
```

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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