

# Converting Colors

$Y_{xy}(69.6591, 0.2280, 0.3394)$

Have a look what the booklet for  
Yxy(69.6591, 0.2280, 0.3394)  
contains.

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# Color

**Yxy(69.5093, 0.2279, 0.3390)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0AF2EA
RGB	10, 242, 234
RGB Percent	4%, 95%, 92%
CMY	0.9608, 0.0510, 0.0823
CMYK	0.96, 0.00, 0.03, 0.05
HSL	178°, 92%, 49%
HSV	178°, 96%, 95%
XYZ	46.7291, 69.5093, 88.8038
YIQ	171.7200, -135.7040, -51.6720

# Conversions

## Conversions Part 2

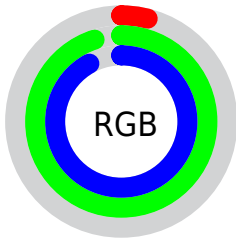
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">10, 128, 242</a>
Decimal	<a href="#">717546</a>
CIELab	<a href="#">86.76, -48.29, -9.70</a>
CIELCh	<a href="#">87, 49.250, 191.355</a>
Yxy	<a href="#">69.5093, 0.2279, 0.3390</a>
Android (android.graphics.Color)	<a href="#">4278907626</a> ( <a href="#">0xFF0AF2EA</a> )
YUV	<a href="#">171.7200, 30.7040, -141.8284</a>
Hunter-Lab	<a href="#">83.3722, -45.8544, -4.7921</a>

# Details

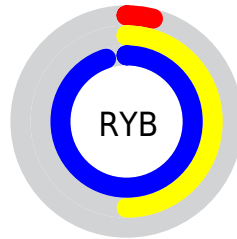
The Yxy color **69.5093, 0.2279, 0.3390** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.1382, 0.6319, 0.3283**, and the grayscale version is **40.9988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5916, 0.2440, 0.3288**, and **37.9123, 0.2279, 0.3403** is the 20% darker color. If you saturate the color by 10%, you get **69.4277, 0.2276, 0.3395**, and if you desaturate by 10%, it is **69.8387, 0.2293, 0.3379**.

# Distribution



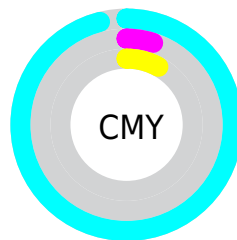
- Red (4%)
- Green (95%)
- Blue (92%)



- Red (4%)
- Yellow (50%)
- Blue (95%)



- Cyan (96%)
- Magenta (0%)
- Yellow (3%)
- Black (5%)




- Cyan (96%)
- Magenta (5%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5093, 0.2279, 0.3390 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 69.5093, 0.2279, 0.3390 by changing the saturation by 10% instead.




 69.5093, 0.2279,  
0.3390


 69.5093, 0.2279,  
0.3390


458.8252, 0.2664,  
0.3354

 51.1266, 0.2193,  
0.3395


 118.5087, 0.2411,  
0.3380


 36.3094, 0.2089,  
0.3401


 149.8942, 0.2463,  
0.3375


 24.6732, 0.1960,  
0.3405


 186.3828, 0.2507,  
0.3371

 15.8338, 0.1795,  
0.3407

 228.3588, 0.2547,  
0.3367

 9.4066, 0.1580,  
0.3401

 276.2066, 0.2581,  
0.3364

 5.0073, 0.1291,  
0.3379

330.3107, 0.2612,

 2.2516, 0.0862,

0.3360

391.0554, 0.2639,  
0.3357

0.3321

0.7479, 0.0000,  
0.3193

0.0000, 0.0000,  
0.0000

69.5093, 0.2279,  
0.3390

69.5093, 0.2279,  
0.3390

69.4277, 0.2276,  
0.3395

69.8387, 0.2293,  
0.3379

70.4549, 0.2324,  
0.3368

71.4125, 0.2373,  
0.3356

72.7536, 0.2443,  
0.3345

■ 74.5142, 0.2531,  
0.3334

■ 76.7262, 0.2637,  
0.3323

■ 79.4185, 0.2759,  
0.3313

■ 82.6174, 0.2894,  
0.3303

■ 86.3474, 0.3039,  
0.3295

# Harmonies

## Analogous

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



69.5093, 0.2718, 0.3993



69.5093, 0.2279, 0.3390



69.5093, 0.2069, 0.2827

# Triad

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



69.5093, 0.2279, 0.3390



69.5093, 0.2869, 0.2440



69.5093, 0.4238, 0.4015

# Complementary

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



69.5093, 0.2279, 0.3390



19.1382, 0.6319, 0.3283

# 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.



69.5093, 0.4316, 0.3570



69.5093, 0.2279, 0.3390



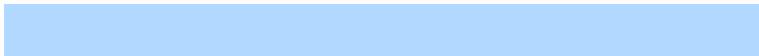
69.5093, 0.3479, 0.2711

# Square

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



69.5093, 0.2279, 0.3390



69.5093, 0.2382, 0.2348



69.5093, 0.4031, 0.3109



69.5093, 0.3853, 0.4332

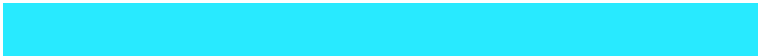


# Rectangle

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



69.5093, 0.2279, 0.3390



69.5093, 0.2067, 0.2563



69.5093, 0.4031, 0.3109



69.5093, 0.4303, 0.3874

# Sweetspot

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



69.5119, 0.2279, 0.3390



88.4068, 0.2718, 0.3316



63.6940, 0.3011, 0.5969



18.6469, 0.2666, 0.3321



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.



69.5119, 0.2279, 0.3390



78.1872, 0.2276, 0.3395



24.5366, 0.1836, 0.1789



17.9190, 0.2986, 0.3298



37.3004, 0.2276, 0.3393



3.1060, 0.2272, 0.3378



# Inverse Universe

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



19.1382, 0.6319, 0.3283



21.2792, 0.6376, 0.3286



31.0234, 0.5494, 0.3989



15.7677, 0.3288, 0.3282



10.1549, 0.6364, 0.3280

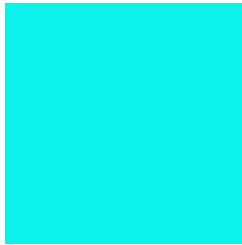


0.8479, 0.6269, 0.3227



# Previews

## White Background



This preview shows how the Yxy color 69.5093, 0.2279, 0.3390 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

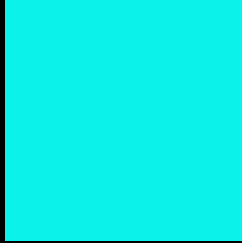
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 69.5093, 0.2279, 0.3390 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

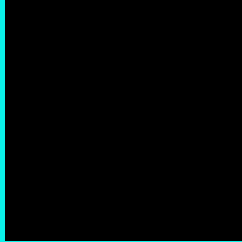
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

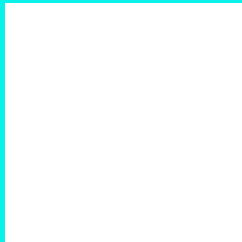
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 69.5093, 0.2279, 0.3390**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.5093, 0.2279, 0.3390.

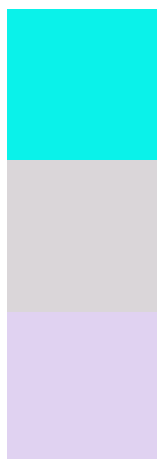


This preview shows how white text looks on a background with the Yxy color 69.5093, 0.2279, 0.3390.

# 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

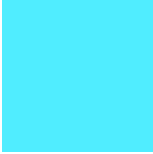
69.5093, 0.2279, 0.3390

### Protanopia

68.0083, 0.3136, 0.3257

### Deuteranopia

68.2914, 0.3020, 0.2960



## **Tritanopia**

69.4938, 0.2281, 0.3069

# Trichromacy



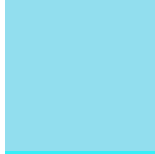
## Original Color

69.5093, 0.2279, 0.3390



## Protanomaly

64.3898, 0.2621, 0.3301



## Deuteranomaly

64.5266, 0.2562, 0.3095



## Tritanomaly

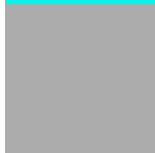
69.2606, 0.2266, 0.3188

# Monochromacy



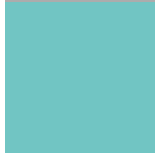
## Original Color

69.5093, 0.2279, 0.3390



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

47.3833, 0.2564, 0.3317

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.5093, 0.2279, 0.3390 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(10, 242, 234)` looks like.

```
.text, #text, p{  
    color:rgb(10, 242, 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(10, 242, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 242, 234) }
```

## Border

The CSS property to change the border of an element to Yxy 69.5093, 0.2279, 0.3390 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(10, 242, 234) }
```

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

```
.border{ border-color:rgb(10, 242, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 242, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 242, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 242, 234);  
box-shadow:4px 4px 4px 4px rgb(10, 242,  
234) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.5093, 0.2279, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 242, 234) }
```

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

```
.background{ background-color: rgb(10, 242,  
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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