

# Converting Colors

$Yxy(55.5827, 0.1731, 0.3426)$

Have a look what the booklet for  
Yxy(55.5827, 0.1731, 0.3426)  
contains.

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# Color

**Yxy(62.9872, 0.2284, 0.3422)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E8DE
RGB	0, 232, 222
RGB Percent	0%, 91%, 87%
CMY	0.9994, 0.0902, 0.1295
CMYK	1.00, 0.00, 0.04, 0.09
HSL	177°, 100%, 46%
HSV	177°, 100%, 91%
XYZ	42.0406, 62.9872, 79.0377
YIQ	161.4920, -135.0620, -52.2940

# Conversions

## Conversions Part 2

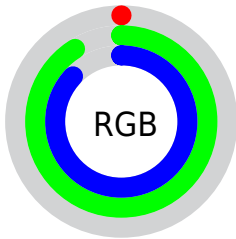
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 119, 232
Decimal	59614
CIELab	83.44, -47.64, -8.30
CIELCh	83, 48.360, 189.887
Yxy	62.9872, 0.2284, 0.3422
Android (android.graphics.Color)	4278249694 (0xFF00E8DE)
YUV	161.4920, 29.8304, -141.6285
Hunter-Lab	79.3645, -44.3337, -3.4908

# Details

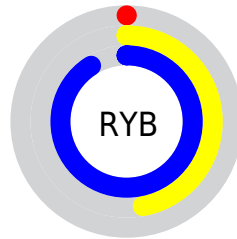
The Yxy color **62.9872, 0.2284, 0.3422** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **17.1820, 0.6366, 0.3281**, and the grayscale version is **35.8089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **33.4500, 0.2285, 0.3427** is the 20% darker color. If you saturate the color by 10%, you get **62.9883, 0.2284, 0.3422**, and if you desaturate by 10%, it is **63.2288, 0.2293, 0.3408**.

# Distribution



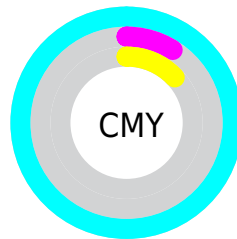
- Red (0%)
- Green (91%)
- Blue (87%)



- Red (0%)
- Yellow (47%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (9%)



- Cyan (100%)
- Magenta (9%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.9872, 0.2284, 0.3422 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 62.9872, 0.2284, 0.3422 by changing the saturation by 10% instead.





 62.9872, 0.2284,  
0.3422

 62.9872, 0.2284,  
0.3422

435.5230, 0.2674,  
0.3370

 45.8309, 0.2196,  
0.3431


 109.1510, 0.2419,  
0.3406


 32.1124, 0.2087,  
0.3442


 138.9273, 0.2472,  
0.3399

 21.4473, 0.1951,  
0.3452


 173.6791, 0.2517,  
0.3393

 13.4514, 0.1775,  
0.3462

 213.7906, 0.2557,  
0.3387

 7.7401, 0.1543,  
0.3468

 259.6464, 0.2591,  
0.3382

 3.9291, 0.1225,  
0.3457

311.6308, 0.2622,

 1.6340, 0.0535,

0.3378

0.3486

370.1282, 0.2650,  
0.3373

■ 0.3803, 0.0000,  
0.2766

■ 0.0000, 0.0000,  
0.0000

■ 62.9872, 0.2284,  
0.3422

■ 62.9872, 0.2284,  
0.3422

■ 62.9883, 0.2284,  
0.3422

■ 63.2288, 0.2293,  
0.3408

■ 63.6904, 0.2316,  
0.3394

■ 64.4441, 0.2357,  
0.3379

■ 65.5307, 0.2418,  
0.3365

66.9847, 0.2499,  
0.3351

68.8361, 0.2597,  
0.3337

71.1119, 0.2712,  
0.3324

73.8369, 0.2841,  
0.3312

77.0336, 0.2980,  
0.3300

# Harmonies

## Analogous

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



62.9872, 0.2738, 0.4031



62.9872, 0.2284, 0.3422



62.9872, 0.2059, 0.2843

# Triad

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



62.9872, 0.2284, 0.3422



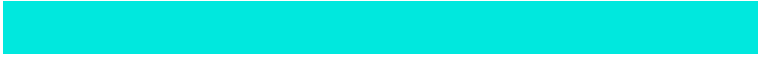
62.9872, 0.2837, 0.2420



62.9872, 0.4265, 0.4003

# Complementary

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



62.9872, 0.2284, 0.3422



17.1820, 0.6366, 0.3281

# 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.



62.9872, 0.4327, 0.3549



62.9872, 0.2284, 0.3422



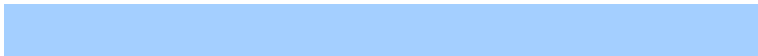
62.9872, 0.3453, 0.2686

# Square

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



62.9872, 0.2284, 0.3422



62.9872, 0.2353, 0.2337



62.9872, 0.4022, 0.3084



62.9872, 0.3886, 0.4336

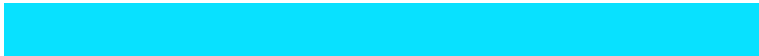


# Rectangle

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



62.9872, 0.2284, 0.3422



62.9872, 0.2049, 0.2568



62.9872, 0.4022, 0.3084



62.9872, 0.4326, 0.3859

# Sweetspot

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



62.9896, 0.2284, 0.3422



88.0531, 0.2709, 0.3324



57.7921, 0.3008, 0.5993



18.5781, 0.2659, 0.3330



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.



62.9896, 0.2284, 0.3422



78.0505, 0.2284, 0.3423



21.1794, 0.1813, 0.1726



16.3251, 0.2987, 0.3300



34.9723, 0.2283, 0.3420



2.5877, 0.2278, 0.3399



# Inverse Universe

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



17.1820, 0.6366, 0.3281



21.2842, 0.6370, 0.3283



27.1550, 0.5575, 0.3955



14.3780, 0.3286, 0.3280



9.5411, 0.6353, 0.3274

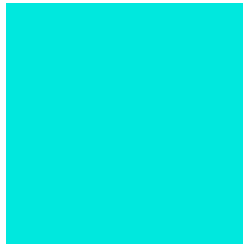


0.7086, 0.6223, 0.3202



# Previews

## White Background



This preview shows how the Yxy color 62.9872, 0.2284, 0.3422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

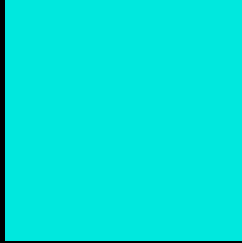
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.9872, 0.2284, 0.3422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

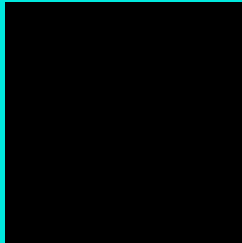
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

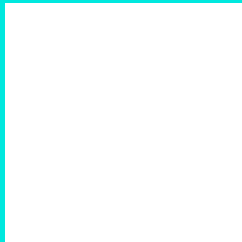
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.9872, 0.2284, 0.3422**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.9872, 0.2284, 0.3422.

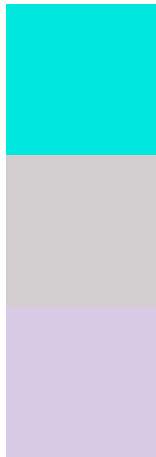


This preview shows how white text looks on a background with the Yxy color 62.9872, 0.2284, 0.3422.

# 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

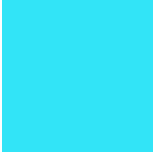
62.9872, 0.2284, 0.3422

### Protanopia

61.8205, 0.3158, 0.3279

### Deuteranopia

62.0294, 0.3044, 0.2980



## Tritanopia

62.8803, 0.2221, 0.3046

# Trichromacy



## Original Color

62.9872, 0.2284, 0.3422



## Protanomaly

58.4227, 0.2621, 0.3327



## Deuteranomaly

57.9812, 0.2562, 0.3111



## Tritanomaly

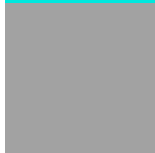
62.5187, 0.2234, 0.3170

# Monochromacy



## Original Color

62.9872, 0.2284, 0.3422



## Achromatopsia

36.1307, 0.3127, 0.3290



## Achromatomaly

41.8849, 0.2548, 0.3334

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.9872, 0.2284, 0.3422 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, 232, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 222)  
}
```

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, 232, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 62.9872, 0.2284, 0.3422 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, 232, 222) }
```

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

```
.border{ border-color:rgb(0, 232, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 232, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 232, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 232, 222); box-shadow:4px 4px 4px 4px rgb(0, 232, 222) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.9872, 0.2284, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 222) }
```

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

```
.background{ background-color: rgb(0, 232,  
222) }
```

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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