

# Converting Colors

$Y_{xy}(62.0295, 0.2196, 0.3105)$

Have a look what the booklet for  
Yxy(62.0295, 0.2196, 0.3105)  
contains.

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# Color

**Yxy(61.8976, 0.2196, 0.3106)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E4F2
RGB	0, 228, 242
RGB Percent	0%, 89%, 95%
CMY	1.0000, 0.1058, 0.0511
CMYK	1.00, 0.06, 0.00, 0.05
HSL	183°, 100%, 47%
HSV	183°, 100%, 95%
XYZ	43.7628, 61.8976, 93.6236
YIQ	161.4240, -140.3820, -43.9820

# Conversions

## Conversions Part 2

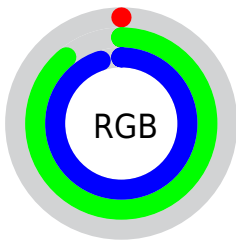
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 117, 242
Decimal	58610
CIELab	82.86, -40.02, -19.74
CIELCh	83, 44.625, 206.249
Yxy	61.8976, 0.2196, 0.3106
Android (android.graphics.Color)	4278248690 (0xFF00E4F2)
YUV	161.4240, 39.7240, -141.5688
Hunter-Lab	78.6750, -38.3912, -15.4828

# Details

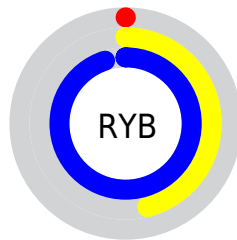
The Yxy color **61.8976, 0.2196, 0.3106** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light saturated cyan. A complement of this color would be **19.1857, 0.6370, 0.3324**, and the grayscale version is **35.7104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **33.0502, 0.2181, 0.3053** is the 20% darker color. If you saturate the color by 10%, you get **61.9024, 0.2196, 0.3106**, and if you desaturate by 10%, it is **62.8705, 0.2214, 0.3125**.

# Distribution



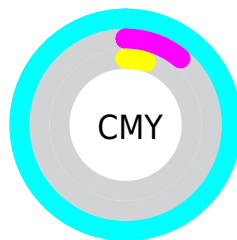
- Red (0%)
- Green (89%)
- Blue (95%)



- Red (0%)
- Yellow (46%)
- Blue (95%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (11%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.8976, 0.2196, 0.3106 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 61.8976, 0.2196, 0.3106 by changing the saturation by 10% instead.




 61.8976, 0.2196,  
0.3106


 61.8976, 0.2196,  
0.3106


431.5575, 0.2622,  
0.3209


 44.9500, 0.2101,  
0.3078


 107.5775, 0.2342,  
0.3145

 31.4180, 0.1985,  
0.3041


 137.0786, 0.2400,  
0.3160


 20.9174, 0.1841,  
0.2992


 171.5329, 0.2449,  
0.3171

 13.0636, 0.1659,  
0.2921

 211.3249, 0.2493,  
0.3181

 7.4724, 0.1422,  
0.2815

 256.8390, 0.2531,  
0.3190

 3.7592, 0.1108,  
0.2645

308.4595, 0.2565,

 1.5398, 0.0580,

0.3197

0.2375

366.5709, 0.2595,  
0.3204

■ 0.3165, 0.0000,  
0.1402

■ 0.0000, 0.0000,  
0.0000

■ 61.8976, 0.2196,  
0.3106

■ 61.8976, 0.2196,  
0.3106

■ 61.9024, 0.2196,  
0.3106

■ 62.8705, 0.2214,  
0.3125

■ 64.0895, 0.2246,  
0.3145

■ 65.6359, 0.2297,  
0.3164

■ 67.5552, 0.2368,  
0.3184

■ 69.8858, 0.2458,  
0.3204

■ 72.6609, 0.2565,  
0.3223

■ 75.9106, 0.2689,  
0.3241

■ 79.6623, 0.2826,  
0.3259

■ 83.9411, 0.2973,  
0.3275

# Harmonies

## Analogous

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



61.8976, 0.2513, 0.3681



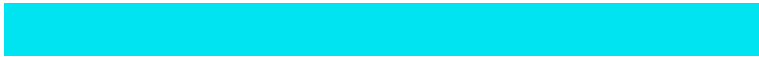
61.8976, 0.2196, 0.3106



61.8976, 0.2112, 0.2660

# Triad

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



61.8976, 0.2196, 0.3106



61.8976, 0.3165, 0.2592



61.8976, 0.4027, 0.4151

# Complementary

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



61.8976, 0.2196, 0.3106



19.1857, 0.6370, 0.3324

# 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.



61.8976, 0.4254, 0.3777



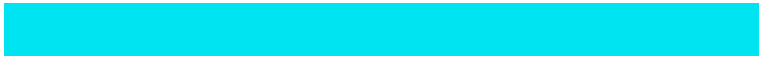
61.8976, 0.2196, 0.3106



61.8976, 0.3738, 0.2919

# Square

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



61.8976, 0.2196, 0.3106



61.8976, 0.2631, 0.2416



61.8976, 0.4152, 0.3337



61.8976, 0.3565, 0.4325

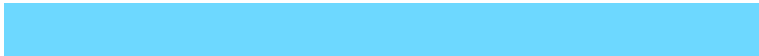


# Rectangle

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



61.8976, 0.2196, 0.3106



61.8976, 0.2187, 0.2481



61.8976, 0.4152, 0.3337



61.8976, 0.4135, 0.4041

# Sweetspot

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



61.9024, 0.2196, 0.3106



85.4801, 0.2688, 0.3241



63.5155, 0.2994, 0.5977



17.9510, 0.2634, 0.3233



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.



61.9024, 0.2196, 0.3106



69.7087, 0.2196, 0.3106



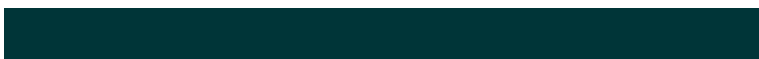
17.3227, 0.1718, 0.1386



17.7635, 0.2981, 0.3276



33.3334, 0.2197, 0.3109



2.8202, 0.2204, 0.3134



# Inverse Universe

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



24.4747, 0.3362, 0.1626



27.5683, 0.3362, 0.1626



35.6712, 0.5283, 0.4187



16.0147, 0.3147, 0.3071



13.1584, 0.3359, 0.1624

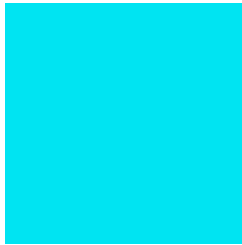


1.0994, 0.3338, 0.1612



# Previews

## White Background



This preview shows how the Yxy color 61.8976, 0.2196, 0.3106 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

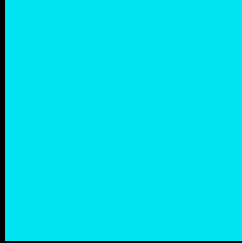
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.8976, 0.2196, 0.3106 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

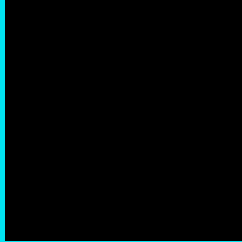
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.8976, 0.2196, 0.3106**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.8976, 0.2196, 0.3106.



This preview shows how white text looks on a background with the Yxy color 61.8976, 0.2196, 0.3106.

# 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

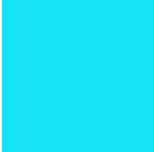
61.8976, 0.2196, 0.3106

### Protanopia

60.7594, 0.2961, 0.3027

### Deuteranopia

60.7824, 0.2825, 0.2759



## **Tritanopia**

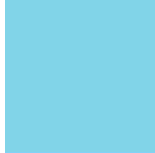
61.7626, 0.2189, 0.3043

# Trichromacy



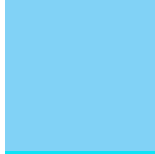
## Original Color

61.8976, 0.2196, 0.3106



## Protanomaly

57.5803, 0.2486, 0.3035



## Deuteranomaly

57.4141, 0.2414, 0.2844



## Tritanomaly

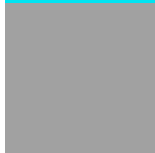
61.6241, 0.2188, 0.3055

# Monochromacy



## Original Color

61.8976, 0.2196, 0.3106



## Achromatopsia

35.6400, 0.3127, 0.3290



## Achromatomaly

41.2404, 0.2503, 0.3213

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.8976, 0.2196, 0.3106 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, 228, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 242)  
}
```

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, 228, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 61.8976, 0.2196, 0.3106 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, 228, 242) }
```

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

```
.border{ border-color:rgb(0, 228, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.8976, 0.2196, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 242) }
```

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

```
.background{ background-color: rgb(0, 228,  
242) }
```

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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