

Converting Colors

$Y_{xy}(61.1940, 0.2241, 0.3268)$

Have a look what the booklet for
Yxy(61.1940, 0.2241, 0.3268)
contains.

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Color

Yxy(61.2000, 0.2239, 0.3261)

Conversions

Conversions Part 1

Format	Color
Hex	00E4E6
RGB	0, 228, 230
RGB Percent	0%, 89%, 90%
CMY	1.0000, 0.1058, 0.0981
CMYK	1.00, 0.01, 0.00, 0.10
HSL	181°, 100%, 45%
HSV	181°, 100%, 90%
XYZ	42.0199, 61.2000, 84.4526
YIQ	160.0560, -136.5300, -47.7140

Conversions

Conversions Part 2

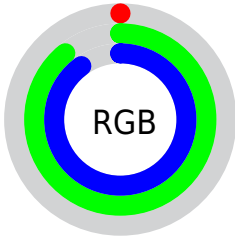
Format	Color
RYB	0, 114, 230
Decimal	58598
CIELab	82.49, -43.61, -13.95
CIELCh	82, 45.789, 197.744
Yxy	61.2000, 0.2239, 0.3261
Android (android.graphics.Color)	4278248678 (0xFF00E4E6)
YUV	160.0560, 34.4824, -140.3691
Hunter-Lab	78.2304, -41.0256, -9.2444

Details

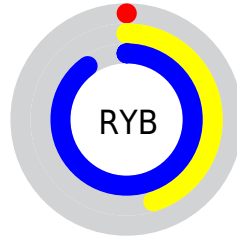
The Yxy color **61.2000, 0.2239, 0.3261** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.8643, 0.6396, 0.3303**, and the grayscale version is **35.0687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **32.6002, 0.2232, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **61.2055, 0.2239, 0.3261**, and if you desaturate by 10%, it is **61.4966, 0.2252, 0.3264**.

Distribution



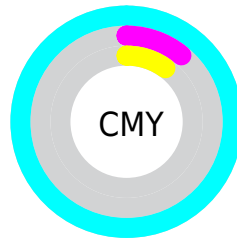
- Red (0%)
- Green (89%)
- Blue (90%)



- Red (0%)
- Yellow (45%)
- Blue (90%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)




- Cyan (100%)
- Magenta (11%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 61.2000, 0.2239, 0.3261 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 61.2000, 0.2239, 0.3261 by changing the saturation by 10% instead.


 61.2000, 0.2239,
0.3261


 61.2000, 0.2239,
0.3261


 429.0069, 0.2649,
0.3289


 44.3866, 0.2147,
0.3251


 106.5685, 0.2381,
0.3274

 30.9745, 0.2033,
0.3236


 135.8923, 0.2436,
0.3278


 20.5795, 0.1892,
0.3215


 170.1551, 0.2483,
0.3281


 12.8170, 0.1710,
0.3181

 209.7412, 0.2525,
0.3283

 7.3026, 0.1471,
0.3124

 255.0351, 0.2562,
0.3285

 3.6521, 0.1150,
0.3020

 306.4211, 0.2594,

 1.4809, 0.0484,

0.3287

0.2879

364.2835, 0.2623,
0.3288

■ 0.2752, 0.0000,
0.1736

■ 0.0000, 0.0000,
0.0000

■ 61.2000, 0.2239,
0.3261

■ 61.2000, 0.2239,
0.3261

■ 61.2055, 0.2239,
0.3261

■ 61.4966, 0.2252,
0.3264

■ 62.0043, 0.2279,
0.3267

■ 62.7979, 0.2324,
0.3270

■ 63.9172, 0.2389,
0.3273

■ 65.3961, 0.2473,
0.3276

■ 67.2639, 0.2575,
0.3279

■ 69.5472, 0.2695,
0.3282

■ 72.2701, 0.2828,
0.3285

■ 75.4548, 0.2974,
0.3287

Harmonies

Analogous

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



61.2000, 0.2624, 0.3857



61.2000, 0.2239, 0.3261



61.2000, 0.2084, 0.2749

Triad

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



61.2000, 0.2239, 0.3261



61.2000, 0.2998, 0.2505



61.2000, 0.4148, 0.4078

Complementary

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



61.2000, 0.2239, 0.3261



16.8643, 0.6396, 0.3303

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.



61.2000, 0.4294, 0.3662



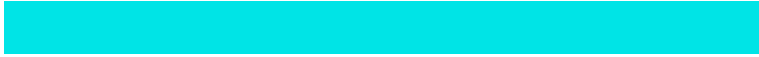
61.2000, 0.2239, 0.3261



61.2000, 0.3596, 0.2801

Square

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



61.2000, 0.2239, 0.3261



61.2000, 0.2488, 0.2376



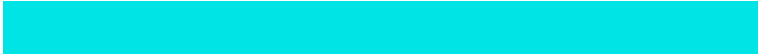
61.2000, 0.4090, 0.3209



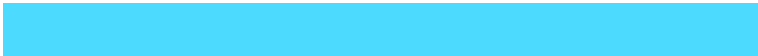
61.2000, 0.3727, 0.4335

Rectangle

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



61.2000, 0.2239, 0.3261



61.2000, 0.2116, 0.2523



61.2000, 0.4090, 0.3209



61.2000, 0.4233, 0.3950

Sweetspot

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



61.2055, 0.2239, 0.3261



87.8449, 0.2693, 0.3282



56.5881, 0.3000, 0.6000



18.5272, 0.2640, 0.3280



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.



61.2055, 0.2239, 0.3261



77.3479, 0.2239, 0.3261



17.9730, 0.1765, 0.1554



16.3140, 0.2982, 0.3288



34.6645, 0.2239, 0.3261



2.5685, 0.2240, 0.3265

Inverse Universe

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



22.4234, 0.3231, 0.1554



28.3395, 0.3231, 0.1554



29.0817, 0.5428, 0.4072



14.6130, 0.3139, 0.3060



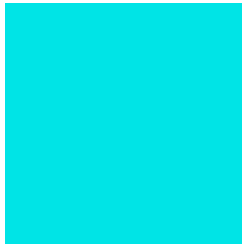
12.6971, 0.3231, 0.1553



0.9390, 0.3227, 0.1552

Previews

White Background



This preview shows how the Yxy color 61.2000, 0.2239, 0.3261 looks on a white background.

Color Contrast Check

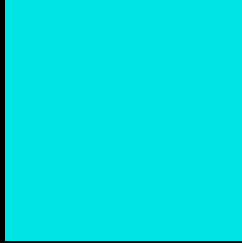
Large Text (above 18pt) WCAG AA × Fail

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 61.2000, 0.2239, 0.3261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

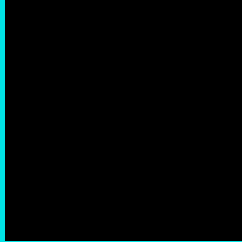
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.2000, 0.2239, 0.3261

Background



This preview shows how black text looks on a background with the Yxy color 61.2000, 0.2239, 0.3261.

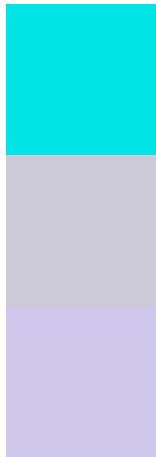


This preview shows how white text looks on a background with the Yxy color 61.2000, 0.2239, 0.3261.

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

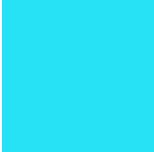
61.2000, 0.2239, 0.3261

Protanopia

59.9335, 0.3058, 0.3151

Deuteranopia

60.3129, 0.2937, 0.2877



Tritanopia

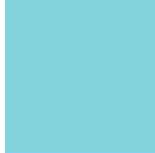
61.3557, 0.2209, 0.3055

Trichromacy



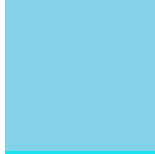
Original Color

61.2000, 0.2239, 0.3261



Protanomaly

56.5017, 0.2550, 0.3172



Deuteranomaly

56.9392, 0.2486, 0.2986



Tritanomaly

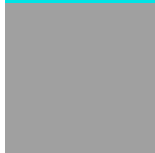
61.3768, 0.2216, 0.3131

Monochromacy



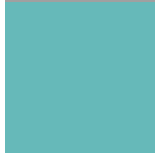
Original Color

61.2000, 0.2239, 0.3261



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

41.0255, 0.2532, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.2000, 0.2239, 0.3261 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 230) }
```

Border

The CSS property to change the border of an element to Yxy 61.2000, 0.2239, 0.3261 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, 230) }
```

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

```
.border{ border-color:rgb(0, 228, 230) }
```

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, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 61.2000, 0.2239, 0.3261 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, 230) }
```

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

```
.background{ background-color: rgb(0, 228,  
230) }
```

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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