

Converting Colors

$Y_{xy}(61.2045, 0.2203, 0.3131)$

Have a look what the booklet for
Yxy(61.2045, 0.2203, 0.3131)
contains.

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Color

Yxy(61.1702, 0.2203, 0.3130)

Conversions

Conversions Part 1

Format	Color
Hex	00E3EF
RGB	0, 227, 239
RGB Percent	0%, 89%, 94%
CMY	0.9984, 0.1098, 0.0627
CMYK	1.00, 0.05, 0.00, 0.06
HSL	183°, 100%, 47%
HSV	183°, 100%, 94%
XYZ	43.0537, 61.1702, 91.2081
YIQ	160.4950, -139.1440, -44.3920

Conversions

Conversions Part 2

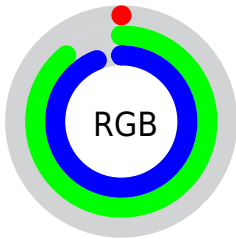
Format	Color
RYB	0, 116, 239
Decimal	58351
CIELab	82.47, -40.44, -18.76
CIELCh	82, 44.582, 204.881
Yxy	61.1702, 0.2203, 0.3130
Android (android.graphics.Color)	4278248431 (0xFF00E3EF)
YUV	160.4950, 38.7030, -140.7541
Hunter-Lab	78.2114, -38.6096, -14.3945

Details

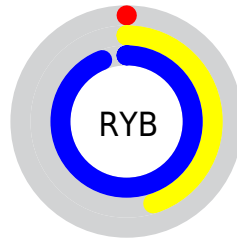
The Yxy color **61.1702, 0.2203, 0.3130** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.6273, 0.6372, 0.3321**, and the grayscale version is **35.3201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **32.5447, 0.2190, 0.3084** is the 20% darker color. If you saturate the color by 10%, you get **61.1584, 0.2203, 0.3130**, and if you desaturate by 10%, it is **62.0285, 0.2220, 0.3147**.

Distribution



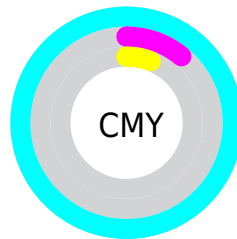
- Red (0%)
- Green (89%)
- Blue (94%)



- Red (0%)
- Yellow (45%)
- Blue (94%)



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





- Cyan (100%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.1702, 0.2203, 0.3130 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 61.1702, 0.2203, 0.3130 by changing the saturation by 10% instead.


 61.1702, 0.2203,
0.3130


 61.1702, 0.2203,
0.3130


428.8978, 0.2627,
0.3222


 44.3625, 0.2108,
0.3105


 106.5253, 0.2349,
0.3165

 30.9556, 0.1992,
0.3071


 135.8416, 0.2406,
0.3178


 20.5651, 0.1848,
0.3025

 170.0962, 0.2455,
0.3189

 12.8065, 0.1664,
0.2959

 209.6735, 0.2498,
0.3197

 7.2954, 0.1425,
0.2859

 254.9579, 0.2536,
0.3205

 3.6475, 0.1108,
0.2696

306.3338, 0.2570,

 1.4784, 0.0537,

0.3211

0.2442

364.1857, 0.2600,
0.3217

■ 0.2735, 0.0000,
0.1342

■ 0.0000, 0.0000,
0.0000

■ 61.1702, 0.2203,
0.3130

■ 61.1702, 0.2203,
0.3130

■ 61.1584, 0.2203,
0.3130

■ 62.0285, 0.2220,
0.3147

■ 63.1294, 0.2252,
0.3163

■ 64.5479, 0.2303,
0.3181

■ 66.3280, 0.2373,
0.3198

■ 68.5068, 0.2462,
0.3215

■ 71.1164, 0.2569,
0.3232

■ 74.1861, 0.2692,
0.3248

■ 77.7423, 0.2829,
0.3263

■ 81.8094, 0.2976,
0.3277

Harmonies

Analogous

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



61.1702, 0.2530, 0.3709



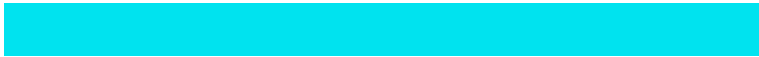
61.1702, 0.2203, 0.3130



61.1702, 0.2108, 0.2674

Triad

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



61.1702, 0.2203, 0.3130



61.1702, 0.3139, 0.2579



61.1702, 0.4046, 0.4139

Complementary

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



61.1702, 0.2203, 0.3130



18.6273, 0.6372, 0.3321

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.



61.1702, 0.4260, 0.3759



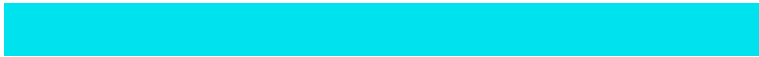
61.1702, 0.2203, 0.3130



61.1702, 0.3715, 0.2900

Square

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



61.1702, 0.2203, 0.3130



61.1702, 0.2608, 0.2410



61.1702, 0.4142, 0.3316



61.1702, 0.3591, 0.4327

Rectangle

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



61.1702, 0.2203, 0.3130



61.1702, 0.2176, 0.2488



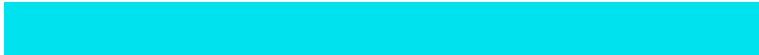
61.1702, 0.4142, 0.3316



61.1702, 0.4150, 0.4026

Sweetspot

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



61.1724, 0.2203, 0.3130



85.8309, 0.2689, 0.3247



61.7706, 0.2994, 0.5976



18.0364, 0.2635, 0.3240



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.



61.1724, 0.2203, 0.3130



70.8191, 0.2203, 0.3129



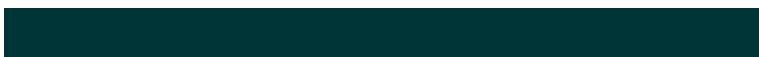
16.9147, 0.1720, 0.1390



17.7845, 0.2981, 0.3278



33.8532, 0.2204, 0.3132



2.8579, 0.2210, 0.3154

Inverse Universe

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



23.9079, 0.3341, 0.1615



27.6804, 0.3342, 0.1615



34.7596, 0.5279, 0.4189



16.0169, 0.3146, 0.3069



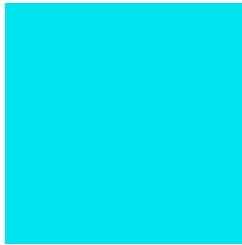
13.2109, 0.3339, 0.1613



1.1032, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 61.1702, 0.2203, 0.3130 looks on a white background.

Color Contrast Check

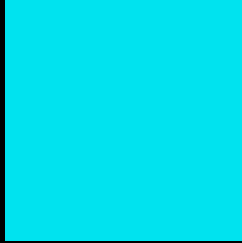
Large Text (above 18pt) WCAG AA × Fail

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 61.1702, 0.2203, 0.3130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

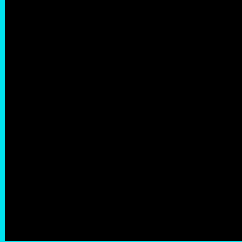
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 61.1702, 0.2203, 0.3130

Background



This preview shows how black text looks on a background with the Yxy color 61.1702, 0.2203, 0.3130.



This preview shows how white text looks on a background with the Yxy color 61.1702, 0.2203, 0.3130.

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

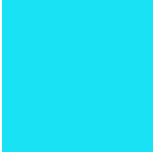
61.1702, 0.2203, 0.3130

Protanopia

59.9863, 0.2974, 0.3048

Deuteranopia

60.1359, 0.2843, 0.2779



Tritanopia

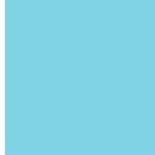
61.2049, 0.2192, 0.3042

Trichromacy



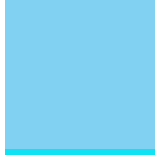
Original Color

61.1702, 0.2203, 0.3130



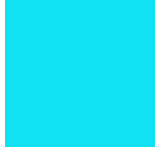
Protanomaly

56.8349, 0.2494, 0.3058



Deuteranomaly

56.7391, 0.2426, 0.2866



Tritanomaly

60.9829, 0.2193, 0.3067

Monochromacy



Original Color

61.1702, 0.2203, 0.3130



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

41.2556, 0.2514, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.1702, 0.2203, 0.3130 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, 227, 239)` looks like.

```
.text, #text, p{  
  color:rgb(0, 227, 239)  
}
```

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, 227, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 239) }
```

Border

The CSS property to change the border of an element to Yxy 61.1702, 0.2203, 0.3130 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, 227, 239) }
```

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

```
.border{ border-color:rgb(0, 227, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 61.1702, 0.2203, 0.3130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 239) }
```

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

```
.background{ background-color: rgb(0, 227,  
239) }
```

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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