

Converting Colors

$Yxy(59.3999, 0.2014, 0.3164)$

Have a look what the booklet for
Yxy(59.3999, 0.2014, 0.3164)
contains.

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Color

Yxy(62.2117, 0.2214, 0.3170)

Conversions

Conversions Part 1

Format	Color
Hex	00E5EE
RGB	0, 229, 238
RGB Percent	0%, 90%, 93%
CMY	0.9994, 0.1019, 0.0667
CMYK	1.00, 0.04, 0.00, 0.07
HSL	182°, 100%, 47%
HSV	182°, 100%, 93%
XYZ	43.4501, 62.2117, 90.5897
YIQ	161.5550, -139.3730, -45.7490

Conversions

Conversions Part 2

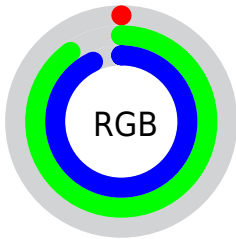
Format	Color
RYB	0, 117, 238
Decimal	58862
CIELab	83.03, -41.66, -17.37
CIELCh	83, 45.141, 202.634
Yxy	62.2117, 0.2214, 0.3170
Android (android.graphics.Color)	4278248942 (0xFF00E5EE)
YUV	161.5550, 37.6874, -141.6837
Hunter-Lab	78.8744, -39.6987, -12.8843

Details

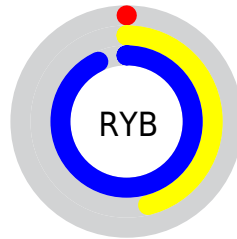
The Yxy color **62.2117, 0.2214, 0.3170** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.3718, 0.6380, 0.3316**, and the grayscale version is **35.8037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **33.2645, 0.2204, 0.3135** is the 20% darker color. If you saturate the color by 10%, you get **62.2100, 0.2214, 0.3170**, and if you desaturate by 10%, it is **62.9048, 0.2230, 0.3182**.

Distribution



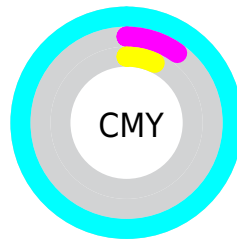
- Red (0%)
- Green (90%)
- Blue (93%)



- Red (0%)
- Yellow (46%)
- Blue (93%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.2117, 0.2214, 0.3170 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 62.2117, 0.2214, 0.3170 by changing the saturation by 10% instead.


 62.2117, 0.2214,
0.3170


 62.2117, 0.2214,
0.3170


432.7029, 0.2633,
0.3242


 45.2038, 0.2120,
0.3149


 108.0314, 0.2358,
0.3198

 31.6180, 0.2006,
0.3122


 137.6120, 0.2414,
0.3208

 21.0699, 0.1864,
0.3083


 172.1523, 0.2463,
0.3217

 13.1751, 0.1683,
0.3028

 212.0367, 0.2506,
0.3224

 7.5492, 0.1447,
0.2942

 257.6496, 0.2543,
0.3229

 3.8079, 0.1133,
0.2798

309.3753, 0.2576,

 1.5667, 0.0580,

0.3234

0.2572

367.5982, 0.2606,
0.3238

■ 0.3350, 0.0000,
0.1631

■ 0.0000, 0.0000,
0.0000

■ 62.2117, 0.2214,
0.3170

■ 62.2117, 0.2214,
0.3170

■ 62.2100, 0.2214,
0.3170

■ 62.9048, 0.2230,
0.3182

■ 63.8343, 0.2260,
0.3195

■ 65.0757, 0.2309,
0.3208

■ 66.6726, 0.2377,
0.3220

■ 68.6617, 0.2464,
0.3233

■ 71.0750, 0.2570,
0.3246

■ 73.9414, 0.2692,
0.3258

■ 77.2869, 0.2828,
0.3269

■ 81.1359, 0.2974,
0.3280

Harmonies

Analogous

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



62.2117, 0.2559, 0.3754



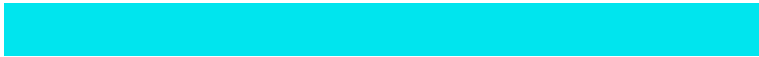
62.2117, 0.2214, 0.3170



62.2117, 0.2100, 0.2697

Triad

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



62.2117, 0.2214, 0.3170



62.2117, 0.3095, 0.2556



62.2117, 0.4078, 0.4120

Complementary

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



62.2117, 0.2214, 0.3170



18.3718, 0.6380, 0.3316

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.



62.2117, 0.4271, 0.3728



62.2117, 0.2214, 0.3170



62.2117, 0.3678, 0.2869

Square

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



62.2117, 0.2214, 0.3170



62.2117, 0.2571, 0.2399



62.2117, 0.4126, 0.3283



62.2117, 0.3633, 0.4330

Rectangle

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



62.2117, 0.2214, 0.3170



62.2117, 0.2157, 0.2499



62.2117, 0.4126, 0.3283



62.2117, 0.4176, 0.4003

Sweetspot

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



62.2140, 0.2214, 0.3170



86.4362, 0.2690, 0.3258



61.1555, 0.2996, 0.5984



18.1838, 0.2636, 0.3253



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.



62.2140, 0.2214, 0.3170



72.7536, 0.2214, 0.3170



17.5712, 0.1734, 0.1442



17.8206, 0.2981, 0.3281



34.7588, 0.2214, 0.3172



2.9233, 0.2219, 0.3188

Inverse Universe

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



23.8341, 0.3307, 0.1596



27.8757, 0.3308, 0.1596



33.3502, 0.5330, 0.4149



16.0205, 0.3144, 0.3066



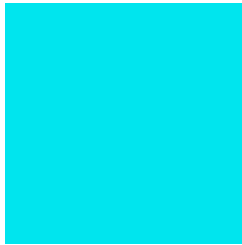
13.3023, 0.3306, 0.1595



1.1098, 0.3292, 0.1587

Previews

White Background



This preview shows how the Yxy color 62.2117, 0.2214, 0.3170 looks on a white background.

Color Contrast Check

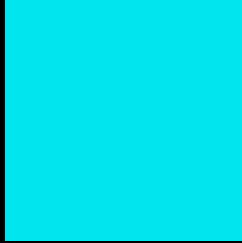
Large Text (above 18pt) WCAG AA × Fail

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 62.2117, 0.2214, 0.3170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

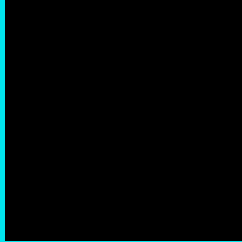
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.2117, 0.2214, 0.3170

Background



This preview shows how black text looks on a background with the Yxy color 62.2117, 0.2214, 0.3170.

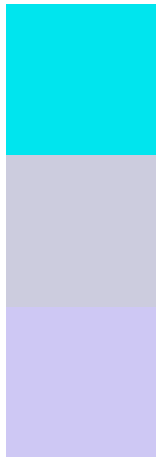


This preview shows how white text looks on a background with the Yxy color 62.2117, 0.2214, 0.3170.

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

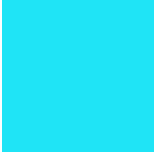
62.2117, 0.2214, 0.3170

Protanopia

61.2970, 0.3002, 0.3084

Deuteranopia

60.9620, 0.2871, 0.2803



Tritanopia

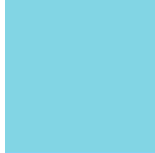
62.4319, 0.2200, 0.3057

Trichromacy



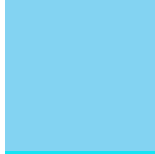
Original Color

62.2117, 0.2214, 0.3170



Protanomaly

57.9358, 0.2513, 0.3097



Deuteranomaly

57.8246, 0.2445, 0.2904



Tritanomaly

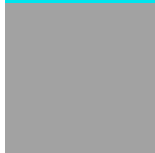
62.1066, 0.2202, 0.3093

Monochromacy



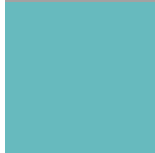
Original Color

62.2117, 0.2214, 0.3170



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

41.7191, 0.2511, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.2117, 0.2214, 0.3170 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, 229, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 229, 238)  
}
```

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, 229, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 229, 238) }
```

Border

The CSS property to change the border of an element to Yxy 62.2117, 0.2214, 0.3170 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, 229, 238) }
```

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

```
.border{ border-color:rgb(0, 229, 238) }
```

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

Here you see how a box with a 4 pixel rgb(0, 229, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 229, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 229, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 229,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 62.2117, 0.2214, 0.3170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 229, 238) }
```

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

```
.background{ background-color: rgb(0, 229,  
238) }
```

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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