

Converting Colors

$Y_{xy}(60.3909, 0.2213, 0.3168)$

Have a look what the booklet for
Yxy(60.3909, 0.2213, 0.3168)
contains.

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Color

Yxy(60.3909, 0.2213, 0.3168)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00E2EB |
| RGB | 0, 226, 235 |
| RGB Percent | 0%, 89%, 92% |
| CMY | 1.0000, 0.1137, 0.0783 |
| CMYK | 1.00, 0.04, 0.00, 0.08 |
| HSL | 182°, 100%, 46% |
| HSV | 182°, 100%, 92% |
| XYZ | 42.1859, 60.3909, 88.0510 |
| YIQ | 159.4520, -137.5850, -45.1130 |

Conversions

Conversions Part 2

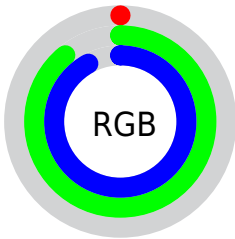
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 115, 235 |
| Decimal | 58091 |
| CIELab | 82.05, -41.23, -17.28 |
| CIELCh | 82, 44.706, 202.739 |
| Yxy | 60.3909, 0.2213, 0.3168 |
| Android (android.graphics.Color) | 4278248171 (0xFF00E2EB) |
| YUV | 159.4520, 37.2452, -139.8394 |
| Hunter-Lab | 77.7116, -39.0961, -12.7803 |

Details

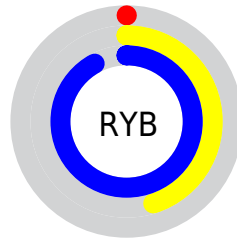
The Yxy color **60.3909, 0.2213, 0.3168** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.8628, 0.6380, 0.3316**, and the grayscale version is **34.7667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3174, 0.2426, 0.3288**, and **32.0041, 0.2204, 0.3133** is the 20% darker color. If you saturate the color by 10%, you get **60.3989, 0.2213, 0.3168**, and if you desaturate by 10%, it is **61.0788, 0.2229, 0.3181**.

Distribution



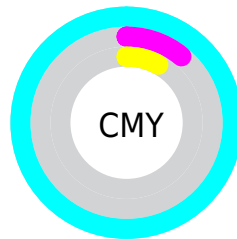
- Red (0%)
- Green (89%)
- Blue (92%)



- Red (0%)
- Yellow (45%)
- Blue (92%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (11%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.3909, 0.2213, 0.3168 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 60.3909, 0.2213, 0.3168 by changing the saturation by 10% instead.


 60.3909, 0.2213,
0.3168


 60.3909, 0.2213,
0.3168


426.0371, 0.2634,
0.3241


 43.7338, 0.2118,
0.3147


 105.3965, 0.2358,
0.3197


 30.4613, 0.2002,
0.3119


 134.5138, 0.2415,
0.3207

 20.1890, 0.1858,
0.3079


 168.5533, 0.2464,
0.3216

 12.5325, 0.1673,
0.3022

 207.8993, 0.2507,
0.3223

 7.1074, 0.1432,
0.2932

 252.9363, 0.2544,
0.3228

 3.5294, 0.1109,
0.2782

304.0487, 0.2578,

 1.4139, 0.0473,

0.3233

0.2559

361.6208, 0.2608,
0.3238

■ 0.2270, 0.0000,
0.1282

■ 0.0000, 0.0000,
0.0000

■ 60.3909, 0.2213,
0.3168

■ 60.3909, 0.2213,
0.3168

■ 60.3989, 0.2213,
0.3168

■ 61.0788, 0.2229,
0.3181

■ 61.9894, 0.2260,
0.3193

■ 63.2029, 0.2308,
0.3206

■ 64.7616, 0.2376,
0.3219

■ 66.7011, 0.2464,
0.3232

■ 69.0523, 0.2570,
0.3245

■ 71.8433, 0.2691,
0.3257

■ 75.0995, 0.2827,
0.3269

■ 78.8444, 0.2973,
0.3280

Harmonies

Analogous

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



60.3909, 0.2558, 0.3753



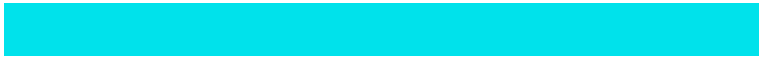
60.3909, 0.2213, 0.3168



60.3909, 0.2100, 0.2695

Triad

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



60.3909, 0.2213, 0.3168



60.3909, 0.3097, 0.2557



60.3909, 0.4077, 0.4122

Complementary

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



60.3909, 0.2213, 0.3168



17.8628, 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.



60.3909, 0.4271, 0.3730



60.3909, 0.2213, 0.3168



60.3909, 0.3680, 0.2870

Square

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



60.3909, 0.2213, 0.3168



60.3909, 0.2572, 0.2400



60.3909, 0.4128, 0.3285



60.3909, 0.3631, 0.4330

Rectangle

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



60.3909, 0.2213, 0.3168



60.3909, 0.2158, 0.2498



60.3909, 0.4128, 0.3285



60.3909, 0.4175, 0.4004

Sweetspot

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



60.3989, 0.2213, 0.3168



86.4059, 0.2690, 0.3257



59.4502, 0.2996, 0.5984



18.1764, 0.2636, 0.3252



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.



60.3989, 0.2213, 0.3168



72.6562, 0.2213, 0.3167



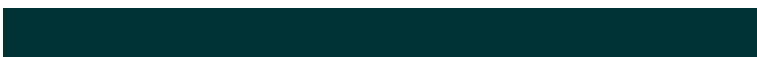
17.0828, 0.1734, 0.1442



17.0170, 0.2981, 0.3280



33.6506, 0.2214, 0.3170



2.6733, 0.2219, 0.3187

Inverse Universe

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



23.1587, 0.3309, 0.1597



27.8658, 0.3309, 0.1597



32.4227, 0.5330, 0.4150



15.3032, 0.3144, 0.3067



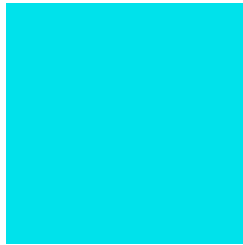
12.8899, 0.3307, 0.1596



1.0153, 0.3293, 0.1587

Previews

White Background



This preview shows how the Yxy color 60.3909, 0.2213, 0.3168 looks on a white background.

Color Contrast Check

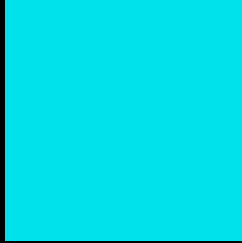
Large Text (above 18pt) WCAG AA × Fail

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 60.3909, 0.2213, 0.3168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

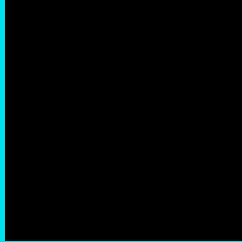
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.3909, 0.2213, 0.3168

Background



This preview shows how black text looks on a background with the Yxy color 60.3909, 0.2213, 0.3168.

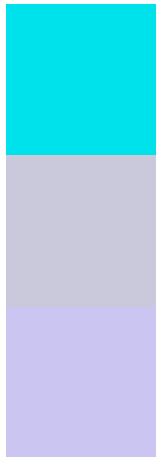


This preview shows how white text looks on a background with the Yxy color 60.3909, 0.2213, 0.3168.

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

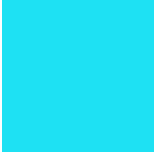
60.3909, 0.2213, 0.3168

Protanopia

59.3053, 0.3001, 0.3081

Deuteranopia

59.4356, 0.2868, 0.2808



Tritanopia

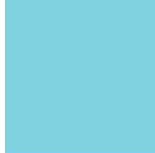
60.5975, 0.2199, 0.3054

Trichromacy



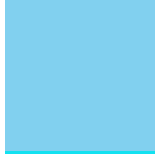
Original Color

60.3909, 0.2213, 0.3168



Protanomaly

56.1186, 0.2511, 0.3095



Deuteranomaly

56.0109, 0.2443, 0.2899



Tritanomaly

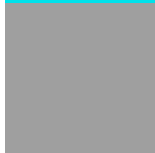
60.2801, 0.2201, 0.3091

Monochromacy



Original Color

60.3909, 0.2213, 0.3168



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

40.2215, 0.2509, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3909, 0.2213, 0.3168 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, 226, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 226, 235)  
}
```

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, 226, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 226, 235) }
```

Border

The CSS property to change the border of an element to Yxy 60.3909, 0.2213, 0.3168 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, 226, 235) }
```

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

```
.border{ border-color:rgb(0, 226, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 226, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 226, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 226, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 226,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3909, 0.2213, 0.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 226, 235) }
```

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

```
.background{ background-color: rgb(0, 226,  
235) }
```

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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