

Converting Colors

$Y_{xy}(70.4672, 0.2329, 0.3583)$

Have a look what the booklet for
Yxy(70.4672, 0.2329, 0.3583)
contains.

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Color

Yxy(70.5852, 0.2330, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	00F5DE
RGB	0, 245, 222
RGB Percent	0%, 96%, 87%
CMY	1.0000, 0.0391, 0.1295
CMYK	1.00, 0.00, 0.09, 0.04
HSL	174°, 100%, 48%
HSV	174°, 100%, 96%
XYZ	45.8371, 70.5852, 80.3035
YIQ	169.1230, -138.6370, -59.0930

Conversions

Conversions Part 2

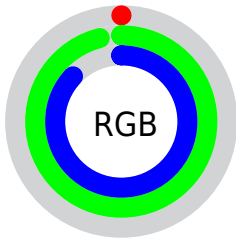
Format	Color
RYB	0, 129, 245
Decimal	62942
CIELab	87.28, -53.09, -2.62
CIELCh	87, 53.151, 182.830
Yxy	70.5852, 0.2330, 0.3588
Android (android.graphics.Color)	4278253022 (0xFF00F5DE)
YUV	169.1230, 26.0684, -148.3209
Hunter-Lab	84.0150, -49.6398, 2.1398

Details

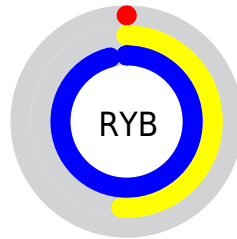
The Yxy color **70.5852, 0.2330, 0.3588** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **19.4776, 0.6316, 0.3253**, and the grayscale version is **39.6644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **38.7565, 0.2345, 0.3641** is the 20% darker color. If you saturate the color by 10%, you get **70.5885, 0.2330, 0.3588**, and if you desaturate by 10%, it is **70.9133, 0.2334, 0.3556**.

Distribution



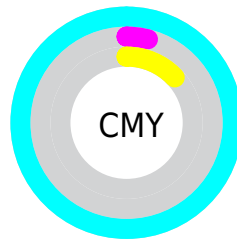
- Red (0%)
- Green (96%)
- Blue (87%)



- Red (0%)
- Yellow (51%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.5852, 0.2330, 0.3588 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 70.5852, 0.2330, 0.3588 by changing the saturation by 10% instead.


 70.5852, 0.2330,
0.3588


 70.5852, 0.2330,
0.3588


462.6021, 0.2695,
0.3454

 52.0038, 0.2248,
0.3617


 120.0429, 0.2455,
0.3543

 37.0081, 0.2148,
0.3653


 151.6880, 0.2505,
0.3525

 25.2137, 0.2023,
0.3696


 188.4564, 0.2547,
0.3509

 16.2364, 0.1863,
0.3751

 230.7325, 0.2584,
0.3495

 9.6916, 0.1651,
0.3821

 278.9007, 0.2617,
0.3483

 5.1949, 0.1362,
0.3913

333.3455, 0.2646,

 2.3621, 0.0897,

0.3473

0.4054

394.4511, 0.2672,
0.3463

■ 0.8063, 0.0000,
0.4309

■ 0.0000, 0.0000,
0.0000

■ 70.5852, 0.2330,
0.3588

■ 70.5852, 0.2330,
0.3588

■ 70.5885, 0.2330,
0.3588

■ 70.9133, 0.2334,
0.3556

■ 71.4920, 0.2353,
0.3524

■ 72.4030, 0.2390,
0.3491

■ 73.6932, 0.2447,
0.3459

■ 75.4021, 0.2524,
0.3427

■ 77.5642, 0.2618,
0.3396

■ 80.2104, 0.2729,
0.3367

■ 83.3688, 0.2852,
0.3339

■ 87.0655, 0.2986,
0.3313

Harmonies

Analogous

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



70.5852, 0.2851, 0.4201



70.5852, 0.2330, 0.3588



70.5852, 0.2036, 0.2941

Triad

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



70.5852, 0.2330, 0.3588



70.5852, 0.2682, 0.2338



70.5852, 0.4378, 0.3928

Complementary

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



70.5852, 0.2330, 0.3588



19.4776, 0.6316, 0.3253

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.



70.5852, 0.4355, 0.3440



70.5852, 0.2330, 0.3588



70.5852, 0.3313, 0.2575

Square

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



70.5852, 0.2330, 0.3588



70.5852, 0.2224, 0.2299



70.5852, 0.3950, 0.2964



70.5852, 0.4042, 0.4329

Rectangle

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



70.5852, 0.2330, 0.3588



70.5852, 0.1985, 0.2615



70.5852, 0.3950, 0.2964



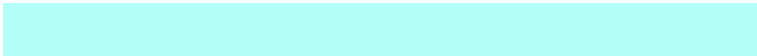
70.5852, 0.4415, 0.3769

Sweetspot

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



70.5885, 0.2330, 0.3588



87.8097, 0.2728, 0.3367



65.5159, 0.3019, 0.5985



18.5189, 0.2680, 0.3379



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.



70.5885, 0.2330, 0.3588



77.2911, 0.2330, 0.3589



27.4644, 0.1861, 0.1898



18.7294, 0.2993, 0.3312



38.0325, 0.2329, 0.3583



3.3504, 0.2317, 0.3542

Inverse Universe

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



19.4776, 0.6316, 0.3253



21.3258, 0.6319, 0.3255



28.1523, 0.5726, 0.3835



16.5078, 0.3279, 0.3268



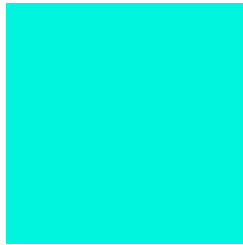
10.5000, 0.6295, 0.3241



0.9312, 0.6070, 0.3118

Previews

White Background



This preview shows how the Yxy color 70.5852, 0.2330, 0.3588 looks on a white background.

Color Contrast Check

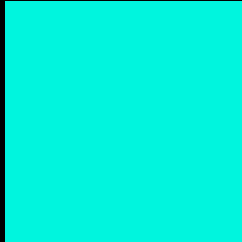
Large Text (above 18pt) WCAG AA × Fail

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 70.5852, 0.2330, 0.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

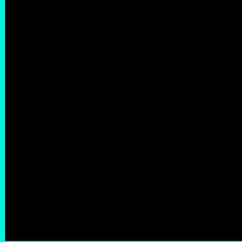
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

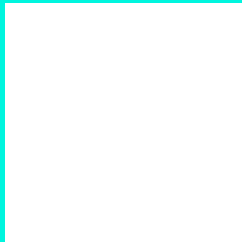
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.5852, 0.2330, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 70.5852, 0.2330, 0.3588.

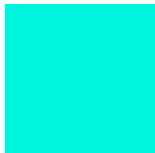


This preview shows how white text looks on a background with the Yxy color 70.5852, 0.2330, 0.3588.

Color Blindness Simulation

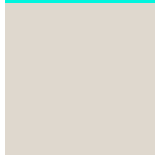
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



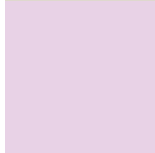
Original Color

70.5787, 0.2330, 0.3588



Protanopia

69.2559, 0.3247, 0.3401



Deuteranopia

68.9622, 0.3152, 0.3078



Tritanopia

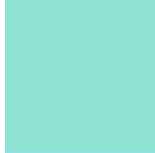
70.2213, 0.2320, 0.3071

Trichromacy



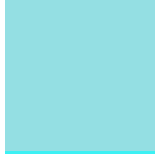
Original Color

70.5787, 0.2330, 0.3588



Protanomaly

65.4424, 0.2684, 0.3477



Deuteranomaly

64.6173, 0.2630, 0.3240



Tritanomaly

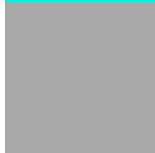
69.7519, 0.2293, 0.3250

Monochromacy



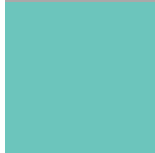
Original Color

70.5787, 0.2330, 0.3588



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

46.7515, 0.2577, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.5852, 0.2330, 0.3588 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, 245, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 222)  
}
```

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, 245, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 222) }
```

Border

The CSS property to change the border of an element to Yxy 70.5852, 0.2330, 0.3588 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, 245, 222) }
```

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

```
.border{ border-color:rgb(0, 245, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 245, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 70.5852, 0.2330, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 245, 222) }
```

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

```
.background{ background-color: rgb(0, 245,  
222) }
```

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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