

Converting Colors

XYZ(43.9813, 69.7396, 70.8397)

Have a look what the booklet for
XYZ(43.9813, 69.7396, 70.8397)
contains.

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Color

**XYZ(44.0376, 69.8589,
70.8376)**

Conversions

Conversions Part 1

Format	Color
Hex	00F5D0
RGB	0, 245, 208
RGB Percent	0%, 96%, 82%
CMY	0.9998, 0.0392, 0.1843
CMYK	1.00, 0.00, 0.15, 0.04
HSL	171°, 100%, 48%
HSV	171°, 100%, 96%
XYZ	44.0376, 69.8589, 70.8376
YIQ	167.5270, -134.1430, -63.4470

Conversions

Conversions Part 2

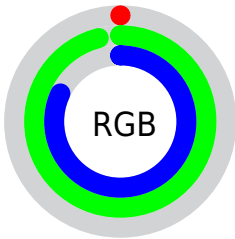
Format	Color
RYB	0, 133, 245
Decimal	62928
CIELab	86.93, -56.75, 4.16
CIELCh	87, 56.906, 175.806
Yxy	69.8589, 0.2384, 0.3782
Android (android.graphics.Color)	4278253008 (0xFF00F5D0)
YUV	167.5270, 19.9532, -146.9212
Hunter-Lab	83.5816, -52.2196, 8.2573

Details

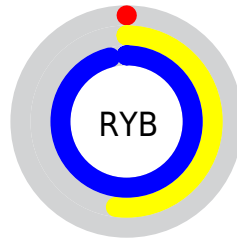
The XYZ color **44.0376, 69.8589, 70.8376** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light saturated cyan. A complement of this color would be **37.9928, 19.5481, 3.5253**, and the grayscale version is **36.9484, 38.8726, 42.3322**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **23.8160, 38.2995, 36.7092** is the 20% darker color. If you saturate the color by 10%, you get **44.0380, 69.8609, 70.8343**, and if you desaturate by 10%, it is **44.8897, 70.2466, 73.2840**.

Distribution



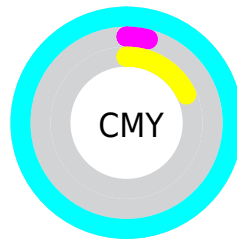
- Red (0%)
- Green (96%)
- Blue (82%)



- Red (0%)
- Yellow (52%)
- Blue (96%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (4%)





- Cyan (100%)
- Magenta (4%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.0376, 69.8589, 70.8376 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 XYZ color 44.0376, 69.8589, 70.8376 by changing the saturation by 10% instead.


 44.0376, 69.8589,
70.8376


 44.0376, 69.8589,
70.8376


353.7113,
460.0544, 482.3539


 30.8981, 51.4115,
51.7287


 80.5203, 119.0075,
122.0948


 20.6727, 36.5362,
36.4081


 104.5942,
150.4775, 155.0800


 12.9961, 24.8486,
24.4573


 133.0437,
187.0572, 193.5279

 7.5028, 15.9643,
15.4579

 166.2340,
229.1310, 237.8568

 3.8276, 9.4989,
8.9912

 204.5306,
277.0832, 288.4853

 1.6051, 5.0680,
4.6387

248.2988,

 0.3957, 2.2872,

331.2982, 345.8319

1.9819

297.9039,
392.1605, 410.3153

■ 0.0000, 0.7669,
0.5441

■ 0.0000, 0.0000,
0.0000

■ 44.0376, 69.8589,
70.8376

■ 44.0376, 69.8589,
70.8376

■ 44.0380, 69.8609,
70.8343

■ 44.8897, 70.2466,
73.2840

■ 46.2403, 70.8884,
75.8081

■ 48.2431, 71.8652,
78.4188

■ 50.9892, 73.2239,
81.1210

■ 54.5551, 75.0039,
83.9184

■ 59.0076, 77.2398,
86.8146

■ 64.4069, 79.9625,
89.8127

■ 70.8076, 83.2001,
92.9157

■ 78.2601, 86.9787,
96.1262

Harmonies

Analogous

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



47.4279, 69.8589, 41.9067



44.0376, 69.8589, 70.8376



45.9505, 69.8589, 112.5729

Triad

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



44.0376, 69.8589, 70.8376



78.1542, 69.8589, 162.7892



81.8179, 69.8589, 30.1733

Complementary

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



44.0376, 69.8589, 70.8376



37.9928, 19.5481, 3.5253

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.



92.1595, 69.8589, 48.4496



44.0376, 69.8589, 70.8376



89.8540, 69.8589, 125.0443

Square

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



44.0376, 69.8589, 70.8376



64.5477, 69.8589, 174.8700



95.2795, 69.8589, 81.5423



68.2849, 69.8589, 23.9372

Rectangle

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



44.0376, 69.8589, 70.8376



50.1330, 69.8589, 141.5162



95.2795, 69.8589, 81.5423



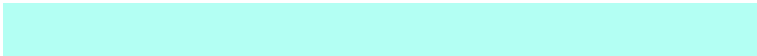
85.8496, 69.8589, 34.7376

Sweetspot

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



44.0396, 69.8616, 70.8393



70.4799, 87.5422, 98.3288



33.5633, 65.7761, 10.9285



14.5238, 18.4540, 20.7466



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.0396, 69.8616, 70.8393



48.2169, 76.5028, 77.5172



29.6425, 32.9129, 91.1797



16.8828, 18.7123, 20.6672



23.7647, 37.6507, 38.3765



2.1172, 3.3206, 3.5233

Inverse Universe

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



37.9928, 19.5481, 3.5253



41.5983, 21.4033, 3.8167



40.6526, 25.4029, 2.7621



16.6011, 16.5233, 17.6462



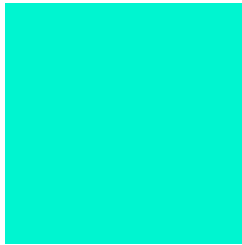
20.4972, 10.5423, 2.0606



1.8315, 0.9386, 0.3390

Previews

White Background



This preview shows how the XYZ color 44.0376, 69.8589, 70.8376 looks on a white background.

Color Contrast Check

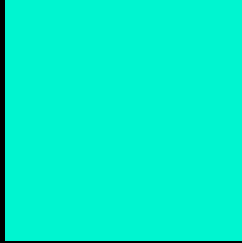
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 44.0376, 69.8589, 70.8376 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

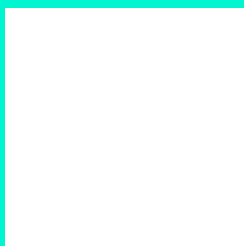
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.0376, 69.8589, 70.8376

Background



This preview shows how black text looks on a background with the XYZ color 44.0376, 69.8589, 70.8376.

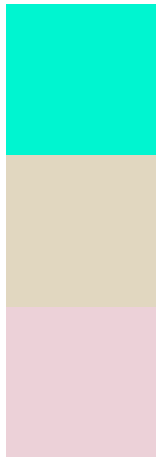


This preview shows how white text looks on a background with the XYZ color 44.0376, 69.8589,

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

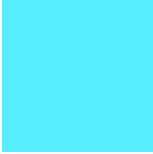
44.0376, 69.8589, 70.8376

Protanopia

64.8662, 68.4142, 59.6556

Deuteranopia

69.7872, 68.3917, 74.4885



Tritanopia

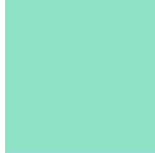
52.3587, 69.8631, 105.3331

Trichromacy



Original Color

44.0376, 69.8589, 70.8376



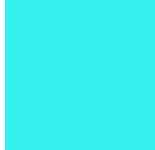
Protanomaly

48.7171, 64.3096, 63.2714



Deuteranomaly

50.7092, 63.5307, 72.5408



Tritanomaly

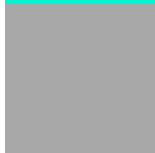
48.2236, 69.3340, 91.7301

Monochromacy



Original Color

44.0376, 69.8589, 70.8376



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.3506, 46.0246, 51.8729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.0376, 69.8589, 70.8376 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, 208)` looks like.

```
.text, #text, p{  
    color:rgb(0, 245, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 245, 208) }
```

Border

The CSS property to change the border of an element to XYZ 44.0376, 69.8589, 70.8376 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, 208) }
```


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

```
.border{ border-color:rgb(0, 245, 208) }
```

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, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 245, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 245, 208);  
box-shadow:4px 4px 4px 4px rgb(0, 245,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 44.0376, 69.8589, 70.8376 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, 208) }
```

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

```
.background{ background-color: rgb(0, 245,  
208) }
```

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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