

Converting Colors

XYZ(44.4198, 68.6905, 76.9236)

Have a look what the booklet for
XYZ(44.4198, 68.6905, 76.9236)
contains.

XYZ(44.4070, 68.5662, 77.2238)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.4070, 68.5662,
77.2238)**

Conversions

Conversions Part 1

Format	Color
Hex	00F2DA
RGB	0, 242, 218
RGB Percent	0%, 95%, 85%
CMY	0.9998, 0.0510, 0.1451
CMYK	1.00, 0.00, 0.10, 0.05
HSL	174°, 100%, 47%
HSV	174°, 100%, 95%
XYZ	44.4070, 68.5662, 77.2238
YIQ	166.9060, -136.5280, -58.7680

Conversions

Conversions Part 2

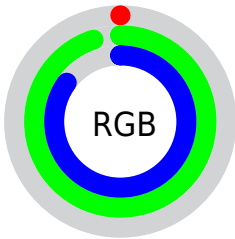
Format	Color
RYB	0, 127, 242
Decimal	62170
CIELab	86.29, -52.92, -2.00
CIELCh	86, 52.959, 182.163
Yxy	68.5662, 0.2335, 0.3605
Android (android.graphics.Color)	4278252250 (0xFF00F2DA)
YUV	166.9060, 25.1893, -146.3766
Hunter-Lab	82.8047, -49.1812, 2.6694

Details

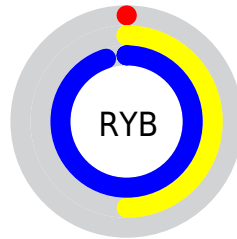
The XYZ color **44.4070, 68.5662, 77.2238** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **36.7852, 18.9452, 2.5851**, and the grayscale version is **36.6221, 38.5293, 41.9584**.

A 20% lighter version of the original color is **60.8802, 82.3848, 107.3009**, and **23.9598, 37.3423, 40.5953** is the 20% darker color. If you saturate the color by 10%, you get **44.4077, 68.5682, 77.2219**, and if you desaturate by 10%, it is **45.1076, 68.8924, 78.9101**.

Distribution



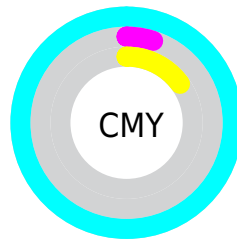
- Red (0%)
- Green (95%)
- Blue (85%)



- Red (0%)
- Yellow (50%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4070, 68.5662, 77.2238 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 44.4070, 68.5662, 77.2238 by changing the saturation by 10% instead.


 44.4070, 68.5662,
77.2238


 44.4070, 68.5662,
77.2238


355.1908,
455.4995, 504.9847


 31.1899, 50.3585,
56.9239


 81.0724, 117.1618,
131.2312


 20.8960, 35.6983,
40.5352


 105.2514,
148.3184, 165.7759


 13.1600, 24.2013,
27.6391


 133.8150,
184.5602, 205.9059

 7.6166, 15.4830,
17.8171


 167.1287,
226.2715, 252.0397

 3.9003, 9.1591,
10.6507

 205.5578,
273.8366, 304.5960

 1.6459, 4.8451,
5.7213

249.4676,

 0.4221, 2.1567,

327.6401, 363.9932

2.6103

299.2235,
388.0663, 430.6499

■ 0.0000, 0.6962,
0.8978

■ 0.0000, 0.0000,
0.0000

■ 44.4070, 68.5662,
77.2238

■ 44.4070, 68.5662,
77.2238

■ 44.4077, 68.5682,
77.2219

■ 45.1076, 68.8924,
78.9101

■ 46.2863, 69.4630,
80.6412

■ 48.0931, 70.3567,
82.4255

■ 50.6161, 71.6193,
84.2675

■ 53.9296, 73.2887,
86.1706

■ 58.0983, 75.3986,
88.1379

■ 63.1805, 77.9788,
90.1724

■ 69.2292, 81.0567,
92.2764

■ 76.2933, 84.6575,
94.4526

Harmonies

Analogous

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



46.5314, 68.5662, 47.4488



44.4070, 68.5662, 77.2238



47.2430, 68.5662, 116.4870

Triad

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



44.4070, 68.5662, 77.2238



78.4875, 68.5662, 147.2918



76.7628, 68.5662, 29.5785

Complementary

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



44.4070, 68.5662, 77.2238



36.7852, 18.9452, 2.5851

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.



87.1402, 68.5662, 44.2729



44.4070, 68.5662, 77.2238



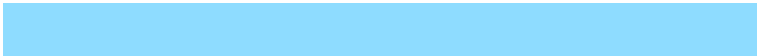
88.2202, 68.5662, 110.6729

Square

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



44.4070, 68.5662, 77.2238



66.0603, 68.5662, 164.0501



91.5668, 68.5662, 72.1476



64.2879, 68.5662, 25.5990

Rectangle

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



44.4070, 68.5662, 77.2238



51.7999, 68.5662, 141.3654



91.5668, 68.5662, 72.1476



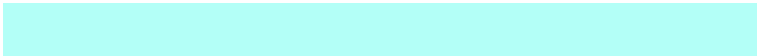
80.6632, 68.5662, 33.1420

Sweetspot

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



44.4090, 68.5688, 77.2254



71.0871, 87.7850, 101.5262



32.1361, 63.7038, 10.6038



14.6709, 18.5129, 21.5215



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.



44.4090, 68.5688, 77.2254



50.0014, 77.2165, 86.9140



26.1877, 26.7304, 87.7865



16.1758, 17.9004, 19.9488



23.8843, 36.8457, 41.6353



2.0064, 3.0730, 3.5659

Inverse Universe

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



36.7852, 18.9452, 2.5851



41.4187, 21.3315, 2.8709



40.8787, 27.3965, 3.1350



15.8365, 15.7843, 16.6952



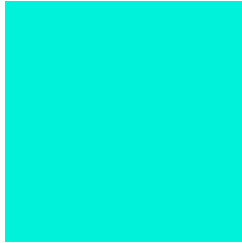
19.7824, 10.1854, 1.5048



1.6670, 0.8558, 0.2371

Previews

White Background



This preview shows how the XYZ color 44.4070, 68.5662, 77.2238 looks on a white background.

Color Contrast Check

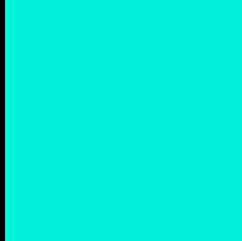
Large Text (above 18pt) WCAG AA × Fail

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 44.4070, 68.5662, 77.2238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

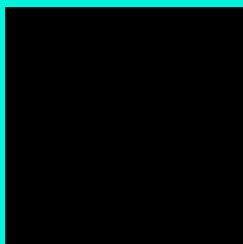
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

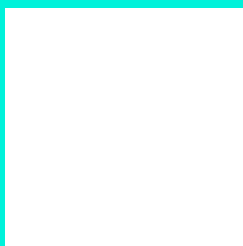
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.4070, 68.5662, 77.2238

Background



This preview shows how black text looks on a background with the XYZ color 44.4070, 68.5662, 77.2238.

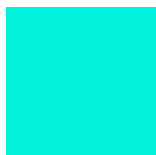


This preview shows how white text looks on a background with the XYZ color 44.4070, 68.5662,

Color Blindness Simulation

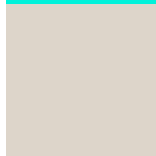
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



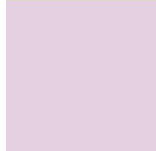
Original Color

44.4070, 68.5662, 77.2238



Protanopia

64.2737, 67.2249, 65.4652



Deuteranopia

68.5964, 67.2608, 81.3187



Tritanopia

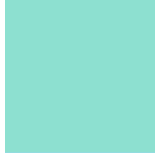
50.4997, 68.4761, 105.1633

Trichromacy



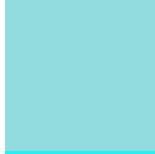
Original Color

44.4070, 68.5662, 77.2238



Protanomaly

49.0253, 63.5281, 69.3528



Deuteranomaly

50.7665, 62.6251, 79.2242



Tritanomaly

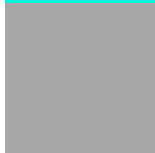
47.6403, 68.0953, 94.6372

Monochromacy



Original Color

44.4070, 68.5662, 77.2238



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.0986, 45.1929, 53.3803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4070, 68.5662, 77.2238 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, 242, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 218)  
}
```

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, 242, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 218) }
```

Border

The CSS property to change the border of an element to XYZ 44.4070, 68.5662, 77.2238 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, 242, 218) }
```


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

```
.border{ border-color:rgb(0, 242, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 242, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4070, 68.5662, 77.2238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 242, 218) }
```

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

```
.background{ background-color: rgb(0, 242,  
218) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

[@ConvertingColor](https://twitter.com/ConvertingColor)