

Converting Colors

XYZ(45.2901, 69.0386, 81.5069)

Have a look what the booklet for
XYZ(45.2901, 69.0386, 81.5069)
contains.

XYZ(45.2067, 68.8861, 81.4347)	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(45.2067, 68.8861,
81.4347)**

Conversions

Conversions Part 1

Format	Color
Hex	00F2E0
RGB	0, 242, 224
RGB Percent	0%, 95%, 88%
CMY	0.9998, 0.0510, 0.1216
CMYK	1.00, 0.00, 0.07, 0.05
HSL	176°, 100%, 47%
HSV	176°, 100%, 95%
XYZ	45.2067, 68.8861, 81.4347
YIQ	167.5900, -138.4540, -56.9020

Conversions

Conversions Part 2

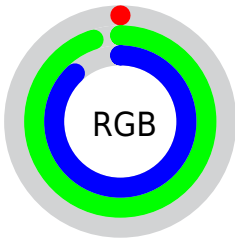
Format	Color
RYB	0, 126, 242
Decimal	62176
CIELab	86.45, -51.29, -4.91
CIELCh	86, 51.525, 185.467
Yxy	68.8861, 0.2312, 0.3523
Android (android.graphics.Color)	4278252256 (0xFF00F2E0)
YUV	167.5900, 27.8101, -146.9764
Hunter-Lab	82.9977, -48.0215, -0.0751

Details

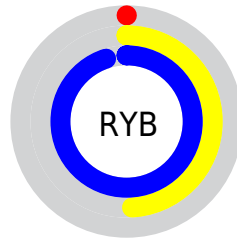
The XYZ color **45.2067, 68.8861, 81.4347** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **36.7295, 18.9230, 2.2915**, and the grayscale version is **36.9447, 38.8687, 42.3280**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **24.5104, 37.5625, 43.4946** is the 20% darker color. If you saturate the color by 10%, you get **45.2074, 68.8881, 81.4332**, and if you desaturate by 10%, it is **45.8364, 69.1839, 82.7474**.

Distribution



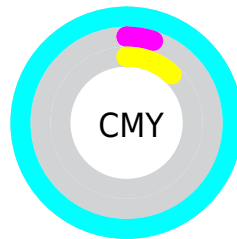
- Red (0%)
- Green (95%)
- Blue (88%)



- Red (0%)
- Yellow (49%)
- Blue (95%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (5%)





- Cyan (100%)
- Magenta (5%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2067, 68.8861, 81.4347 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 45.2067, 68.8861, 81.4347 by changing the saturation by 10% instead.


 45.2067, 68.8861,
81.4347

 45.2067, 68.8861,
81.4347


358.3797,
456.6292, 519.5885


 31.8222, 50.6190,
60.3666


 82.2657, 117.6189,
137.2105


 21.3806, 35.9054,
43.2870


 106.6709,
148.8533, 172.7553


 13.5166, 24.3612,
29.7773


 135.4804,
185.1789, 213.9628

 7.8647, 15.6018,
19.4190

 169.0595,
226.9802, 261.2514

 4.0595, 9.2428,
11.7935

 207.7737,
274.6414, 315.0397

 1.7359, 4.8999,
6.4824

251.9882,

 0.4786, 2.1886,

328.5471, 375.7464

3.0671

302.0684,
389.0815, 443.7898

■ 0.0000, 0.7138,
1.1290

■ 0.0000, 0.0000,
0.0000

■ 45.2067, 68.8861,
81.4347

■ 45.2067, 68.8861,
81.4347

■ 45.2074, 68.8881,
81.4332

■ 45.8364, 69.1839,
82.7474

■ 46.9424, 69.7254,
84.0944

■ 48.6744, 70.5893,
85.4842

■ 51.1207, 71.8212,
86.9212

■ 54.3555, 73.4592,
88.4086

■ 58.4436, 75.5368,
89.9497

■ 63.4431, 78.0839,
91.5473

■ 69.4070, 81.1280,
93.2037

■ 76.3843, 84.6941,
94.9214

Harmonies

Analogous

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



46.7590, 68.8861, 50.9191



45.2067, 68.8861, 81.4347



48.5255, 68.8861, 119.9016

Triad

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



45.2067, 68.8861, 81.4347



79.6934, 68.8861, 142.1710



75.4589, 68.8861, 29.7366

Complementary

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



45.2067, 68.8861, 81.4347



36.7295, 18.9230, 2.2915

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.



85.9707, 68.8861, 43.0018



45.2067, 68.8861, 81.4347



88.6158, 68.8861, 105.6934

Square

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



45.2067, 68.8861, 81.4347



67.6823, 68.8861, 161.1553



91.0416, 68.8861, 68.9234



63.3146, 68.8861, 26.8021

Rectangle

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



45.2067, 68.8861, 81.4347



53.3223, 68.8861, 143.1139



91.0416, 68.8861, 68.9234



79.3448, 68.8861, 32.8853

Sweetspot

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



45.2087, 68.8887, 81.4363



71.3820, 87.9030, 103.0794



32.0465, 63.6576, 10.5998



14.7426, 18.5416, 21.8988



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.



45.2087, 68.8887, 81.4363



50.9042, 77.5777, 91.6683



25.5817, 25.5182, 87.5844



16.1936, 17.9075, 20.0426



24.3075, 37.0150, 43.8636



2.0372, 3.0853, 3.7282

Inverse Universe

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



36.7295, 18.9230, 2.2915



41.3573, 21.3069, 2.5478



41.2605, 28.1600, 3.2624



15.8205, 15.7779, 16.6110



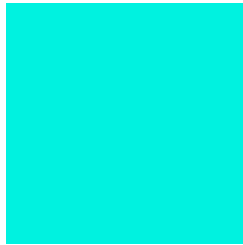
19.7485, 10.1718, 1.3260



1.6594, 0.8528, 0.1970

Previews

White Background



This preview shows how the XYZ color 45.2067, 68.8861, 81.4347 looks on a white background.

Color Contrast Check

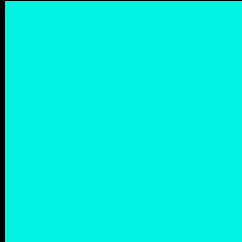
Large Text (above 18pt) WCAG AA × Fail

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 45.2067, 68.8861, 81.4347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

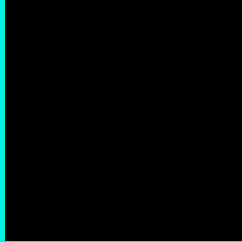
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2067, 68.8861, 81.4347

Background



This preview shows how black text looks on a background with the XYZ color 45.2067, 68.8861, 81.4347.

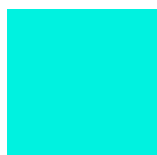


This preview shows how white text looks on a background with the XYZ color 45.2067, 68.8861,

Color Blindness Simulation

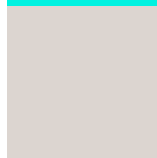
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.2067, 68.8861, 81.4347



Protanopia

64.6946, 67.3582, 69.2662



Deuteranopia

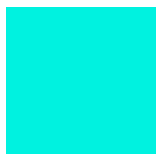
68.9746, 67.3753, 84.9707



Tritanopia

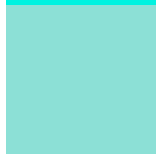
50.7931, 68.6274, 105.1771

Trichromacy



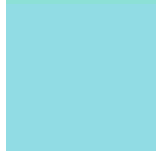
Original Color

45.2067, 68.8861, 81.4347



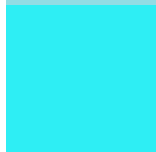
Protanomaly

49.6085, 63.7418, 73.3071



Deuteranomaly

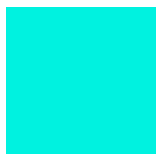
51.2738, 62.8076, 82.8194



Tritanomaly

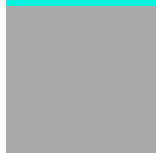
48.0304, 68.2616, 96.2323

Monochromacy



Original Color

45.2067, 68.8861, 81.4347



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

34.6556, 45.7869, 54.5882

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2067, 68.8861, 81.4347 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, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 242, 224)  
}
```

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, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 242, 224) }
```

Border

The CSS property to change the border of an element to XYZ 45.2067, 68.8861, 81.4347 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, 224) }
```


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

```
.border{ border-color:rgb(0, 242, 224) }
```

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, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 242, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 242, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 242,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2067, 68.8861, 81.4347 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, 224) }
```

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

```
.background{ background-color: rgb(0, 242,  
224) }
```

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