

Converting Colors

XYZ(39.7053, 70.9246, 67.4386)

Have a look what the booklet for
XYZ(39.7053, 70.9246, 67.4386)
contains.

XYZ(45.4711, 73.8851, 67.7418)	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(45.4711, 73.8851,
67.7418)**

Conversions

Conversions Part 1

Format	Color
Hex	00FCCA
RGB	0, 252, 202
RGB Percent	0%, 99%, 79%
CMY	0.9998, 0.0117, 0.2078
CMYK	1.00, 0.00, 0.20, 0.01
HSL	168°, 100%, 49%
HSV	168°, 100%, 99%
XYZ	45.4711, 73.8851, 67.7418
YIQ	170.9520, -134.1420, -68.9740

Conversions

Conversions Part 2

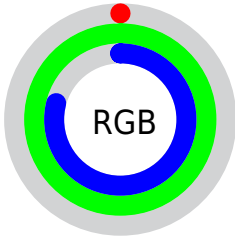
Format	Color
RYB	0, 140, 252
Decimal	64714
CIELab	88.87, -60.96, 10.07
CIELCh	89, 61.791, 170.621
Yxy	73.8851, 0.2430, 0.3949
Android (android.graphics.Color)	4278254794 (0xFF00FCCA)
YUV	170.9520, 15.3067, -149.9249
Hunter-Lab	85.9564, -55.9970, 13.4434

Details

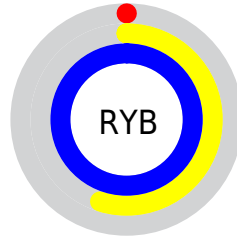
The XYZ color **45.4711, 73.8851, 67.7418** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light saturated cyan. A complement of this color would be **40.7236, 20.9279, 4.9162**, and the grayscale version is **38.6663, 40.6799, 44.3004**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **24.6371, 40.7217, 34.5785** is the 20% darker color. If you saturate the color by 10%, you get **45.4715, 73.8872, 67.7378**, and if you desaturate by 10%, it is **46.4815, 74.3383, 70.9324**.

Distribution



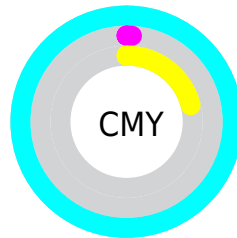
- Red (0%)
- Green (99%)
- Blue (79%)



- Red (0%)
- Yellow (55%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4711, 73.8851, 67.7418 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 45.4711, 73.8851, 67.7418 by changing the saturation by 10% instead.

 45.4711, 73.8851,
67.7418


 45.4711, 73.8851,
67.7418


359.4299,
474.0767, 471.1539


 32.0315, 54.7000,
49.2223


 82.6596, 124.7329,
117.6334

 21.5412, 39.1616,
34.4290


 107.1393,
157.1644, 149.8426


 13.6349, 26.8855,
22.9434


 136.0296,
194.7802, 187.4522

 7.9472, 17.4872,
14.3468

 169.6961,
237.9646, 230.8806

 4.1127, 10.5825,
8.2208

 208.5040,
287.1021, 280.5465

 1.7661, 5.7868,
4.1467

252.8187,

 0.4971, 2.7159,

342.5770, 336.8682

1.7062

303.0055,
404.7737, 400.2645

■ 0.0000, 0.9853,
0.3650

■ 0.0000, 0.0000,
0.0000

■ 45.4711, 73.8851,
67.7418

■ 45.4711, 73.8851,
67.7418

■ 45.4715, 73.8872,
67.7378

■ 46.4815, 74.3383,
70.9324

■ 48.0334, 75.0665,
74.2479

■ 50.2893, 76.1554,
77.6983

■ 53.3472, 77.6555,
81.2892

■ 57.2892, 79.6091,
85.0252

■ 62.1871, 82.0531,
88.9107

■ 68.1054, 85.0209,
92.9494

■ 75.1027, 88.5425,
97.1451

■ 83.2333, 92.6460,
101.5010

Harmonies

Analogous

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



50.2339, 73.8851, 38.6454



45.4711, 73.8851, 67.7418



46.5727, 73.8851, 113.1329

Triad

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



45.4711, 73.8851, 67.7418



80.8645, 73.8851, 184.9672



90.1278, 73.8851, 32.0527

Complementary

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



45.4711, 73.8851, 67.7418



40.7236, 20.9279, 4.9162

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.



100.7756, 73.8851, 54.7561



45.4711, 73.8851, 67.7418



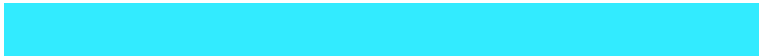
94.9217, 73.8851, 144.9434

Square

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



45.4711, 73.8851, 67.7418



65.6361, 73.8851, 192.3482



102.6447, 73.8851, 94.6520



75.0242, 73.8851, 23.4261

Rectangle

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



45.4711, 73.8851, 67.7418



50.5555, 73.8851, 146.9808



102.6447, 73.8851, 94.6520



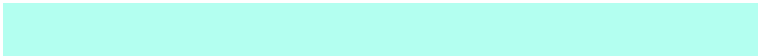
94.4319, 73.8851, 37.8114

Sweetspot

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



45.4731, 73.8880, 67.7435



69.9362, 87.3247, 95.4660



36.1490, 70.3127, 11.6678



14.3924, 18.4015, 20.0549



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.



45.4731, 73.8880, 67.7435



46.7065, 75.8986, 69.5632



33.1791, 38.2432, 97.7317



17.6095, 19.5461, 21.4102



23.7395, 38.5088, 35.5672



2.2350, 3.5811, 3.4852

Inverse Universe

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



40.7236, 20.9279, 4.9162



41.8289, 21.4956, 5.0310



42.7058, 25.8148, 2.7332



17.3854, 17.2815, 18.6193



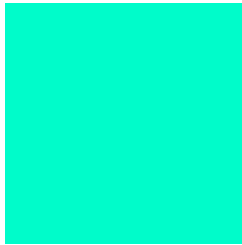
21.2529, 10.9169, 2.7744



2.0041, 1.0254, 0.4448

Previews

White Background



This preview shows how the XYZ color 45.4711, 73.8851, 67.7418 looks on a white background.

Color Contrast Check

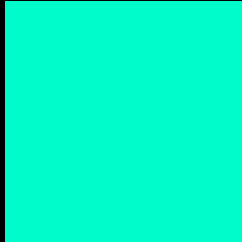
Large Text (above 18pt) WCAG AA × Fail

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 45.4711, 73.8851, 67.7418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

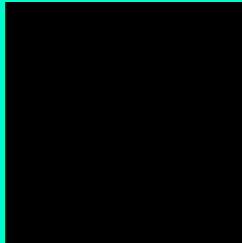
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4711, 73.8851, 67.7418

Background



This preview shows how black text looks on a background with the XYZ color 45.4711, 73.8851, 67.7418.

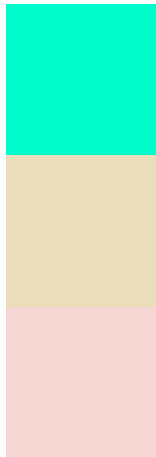


This preview shows how white text looks on a background with the XYZ color 45.4711, 73.8851,

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

45.4711, 73.8851, 67.7418

Protanopia

68.3237, 72.5817, 56.8630

Deuteranopia

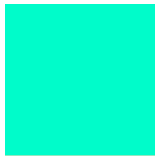
73.6855, 72.3391, 71.0520



Tritanopia

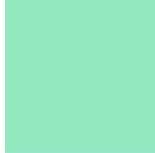
57.5207, 73.3886, 105.7415

Trichromacy



Original Color

45.4711, 73.8851, 67.7418



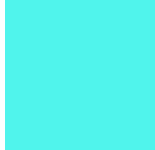
Protanomaly

50.5838, 67.8149, 60.2927



Deuteranomaly

52.9105, 67.1599, 69.2060



Tritanomaly

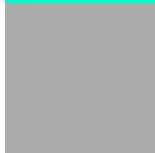
50.7993, 72.4630, 90.6662

Monochromacy



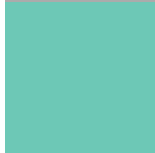
Original Color

45.4711, 73.8851, 67.7418



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.4044, 47.9372, 51.6428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4711, 73.8851, 67.7418 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, 252, 202)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 202)  
}
```

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, 252, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 202) }
```

Border

The CSS property to change the border of an element to XYZ 45.4711, 73.8851, 67.7418 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, 252, 202) }
```


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

```
.border{ border-color:rgb(0, 252, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 252, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 202);  
box-shadow:4px 4px 4px 4px rgb(0, 252,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4711, 73.8851, 67.7418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 202) }
```

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

```
.background{ background-color: rgb(0, 252,  
202) }
```

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