

Converting Colors

XYZ(40.5173, 71.8918, 57.1521)

Have a look what the booklet for
XYZ(40.5173, 71.8918, 57.1521)
contains.

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Color

**XYZ(43.7770, 73.7113,
57.2678)**

Conversions

Conversions Part 1

Format	Color
Hex	00FDB8
RGB	0, 253, 184
RGB Percent	0%, 99%, 72%
CMY	0.9999, 0.0078, 0.2784
CMYK	1.00, 0.00, 0.27, 0.01
HSL	164°, 100%, 50%
HSV	164°, 100%, 99%
XYZ	43.7770, 73.7113, 57.2678
YIQ	169.4870, -128.6390, -75.0950

Conversions

Conversions Part 2

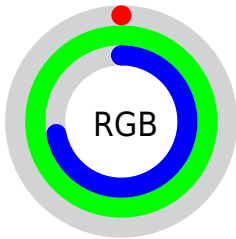
Format	Color
RYB	0, 146, 253
Decimal	64952
CIELab	88.79, -65.53, 19.22
CIELCh	89, 68.290, 163.650
Yxy	73.7113, 0.2505, 0.4218
Android (android.graphics.Color)	4278255032 (0xFF00FDB8)
YUV	169.4870, 7.1549, -148.6401
Hunter-Lab	85.8553, -59.2309, 20.5507

Details

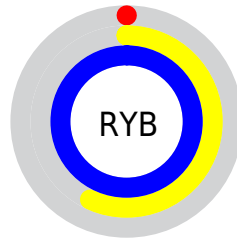
The XYZ color **43.7770, 73.7113, 57.2678** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle saturated spring green. A complement of this color would be **41.5852, 21.3143, 7.5582**, and the grayscale version is **37.9706, 39.9480, 43.5034**.

A 20% lighter version of the original color is **58.5584, 81.4561, 95.0743**, and **23.6118, 40.6689, 28.0781** is the 20% darker color. If you saturate the color by 10%, you get **43.7776, 73.7136, 57.2645**, and if you desaturate by 10%, it is **44.9291, 74.2215, 61.1926**.

Distribution



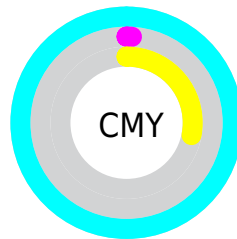
- Red (0%)
- Green (99%)
- Blue (72%)



- Red (0%)
- Yellow (57%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (1%)




- Cyan (100%)
- Magenta (1%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.7770, 73.7113, 57.2678 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 43.7770, 73.7113, 57.2678 by changing the saturation by 10% instead.


 43.7770, 73.7113,
57.2678


 43.7770, 73.7113,
57.2678


352.6651,
473.4764, 431.9739


 30.6924, 54.5578,
40.8095


 80.1305, 124.4865,
102.3600


 20.5154, 39.0478,
27.8517


 104.1301,
156.8769, 131.8311

 12.8807, 26.7969,
17.9758

 132.4988,
194.4484, 166.4768

 7.4229, 17.4207,
10.7634

 165.6018,
237.5855, 206.7156

 3.7766, 10.5349,
5.7958

 203.8046,
286.6724, 252.9662

 1.5765, 5.7550,
2.6545

247.4725,

 0.3770, 2.6967,

342.0936, 305.6471

0.9204

296.9709,
404.2334, 365.1768

■ 0.0000, 0.9755,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.7770, 73.7113,
57.2678

■ 43.7770, 73.7113,
57.2678

■ 43.7776, 73.7136,
57.2645

■ 44.9291, 74.2215,
61.1926

■ 46.6440, 75.0157,
65.3290

■ 49.0858, 76.1806,
69.6887

■ 52.3539, 77.7671,
74.2787

■ 56.5314, 79.8182,
79.1055

■ 61.6912, 82.3713,
84.1747

■ 67.8987, 85.4601,
89.4918

■ 75.2132, 89.1152,
95.0617

■ 83.6899, 93.3649,
100.8894

Harmonies

Analogous

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



50.3349, 73.7113, 30.7745



43.7770, 73.7113, 57.2678



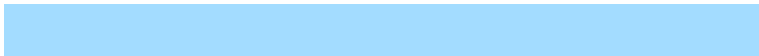
43.4943, 73.7113, 103.7090

Triad

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



43.7770, 73.7113, 57.2678



77.8304, 73.7113, 205.1639



95.6620, 73.7113, 32.4035

Complementary

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



43.7770, 73.7113, 57.2678



41.5852, 21.3143, 7.5582

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.



105.7010, 73.7113, 60.6407



43.7770, 73.7113, 57.2678



94.3643, 73.7113, 165.7664

Square

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



43.7770, 73.7113, 57.2678



61.4897, 73.7113, 203.0951



105.1919, 73.7113, 108.7029



79.3926, 73.7113, 20.7738

Rectangle

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



43.7770, 73.7113, 57.2678



46.7963, 73.7113, 141.9899



105.1919, 73.7113, 108.7029



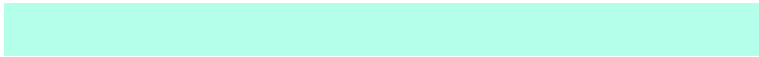
99.9835, 73.7113, 39.6536

Sweetspot

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



43.7790, 73.7142, 57.2695



69.1055, 86.9924, 91.0914



37.7776, 71.6198, 11.8339



14.1925, 18.3215, 19.0020



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.



43.7790, 73.7142, 57.2695



44.5640, 75.0416, 58.2811



37.9691, 47.5692, 100.1126



18.3310, 20.3919, 22.0460



23.3517, 39.2373, 30.8009



2.3196, 3.8388, 3.2410

Inverse Universe

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



41.5852, 21.3143, 7.5582



42.3315, 21.6966, 7.6778



41.8685, 23.6010, 2.3497



18.2129, 18.0685, 19.7382



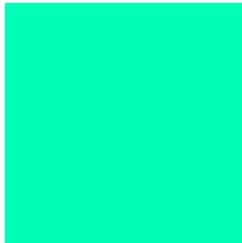
22.1724, 11.3582, 4.2923



2.2024, 1.1233, 0.6472

Previews

White Background



This preview shows how the XYZ color 43.7770, 73.7113, 57.2678 looks on a white background.

Color Contrast Check

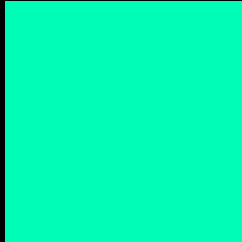
Large Text (above 18pt) WCAG AA × Fail

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 43.7770, 73.7113, 57.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

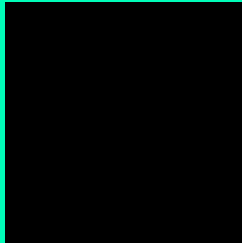
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.7770, 73.7113, 57.2678

Background



This preview shows how black text looks on a background with the XYZ color 43.7770, 73.7113, 57.2678.



This preview shows how white text looks on a background with the XYZ color 43.7770, 73.7113,

Color Blindness Simulation

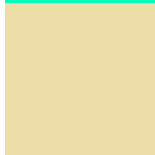
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



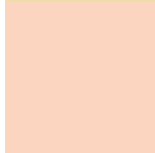
Original Color

43.7770, 73.7113, 57.2678



Protanopia

67.6100, 72.4103, 47.9493



Deuteranopia

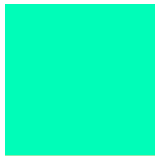
73.5648, 72.1342, 60.4981



Tritanopia

57.5207, 73.3886, 105.7415

Trichromacy



Original Color

43.7770, 73.7113, 57.2678



Protanomaly

49.3566, 67.8178, 50.5332



Deuteranomaly

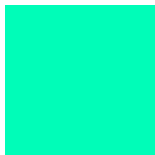
51.5349, 66.6781, 58.8692



Tritanomaly

49.8018, 72.0640, 85.4137

Monochromacy



Original Color

43.7770, 73.7113, 57.2678



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.4786, 47.5527, 47.4058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7770, 73.7113, 57.2678 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, 253, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 253, 184)  
}
```

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, 253, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 253, 184) }
```

Border

The CSS property to change the border of an element to XYZ 43.7770, 73.7113, 57.2678 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, 253, 184) }
```


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

```
.border{ border-color:rgb(0, 253, 184) }
```

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

Here you see how a box with a 4 pixel rgb(0, 253, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 253, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 253, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 253,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7770, 73.7113, 57.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 253, 184) }
```

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

```
.background{ background-color: rgb(0, 253,  
184) }
```

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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