

Converting Colors

XYZ(51.2582, 75.6987, 99.7577)

Have a look what the booklet for
XYZ(51.2582, 75.6987, 99.7577)
contains.

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Color

**XYZ(51.2857, 75.7098,
99.9061)**

Conversions

Conversions Part 1

Format	Color
Hex	00FBF7
RGB	0, 251, 247
RGB Percent	0%, 98%, 97%
CMY	0.9997, 0.0157, 0.0314
CMYK	1.00, 0.00, 0.02, 0.02
HSL	179°, 100%, 49%
HSV	179°, 100%, 98%
XYZ	51.2857, 75.7098, 99.9061
YIQ	175.4950, -148.3120, -54.4560

Conversions

Conversions Part 2

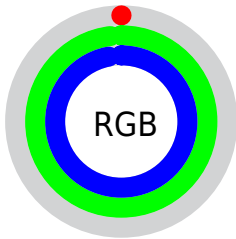
Format	Color
RYB	0, 127, 251
Decimal	64503
CIELab	89.72, -48.65, -12.06
CIELCh	90, 50.124, 193.924
Yxy	75.7098, 0.2260, 0.3337
Android (android.graphics.Color)	4278254583 (0xFF00FBF7)
YUV	175.4950, 35.2520, -153.9091
Hunter-Lab	87.0114, -47.0596, -7.1686

Details

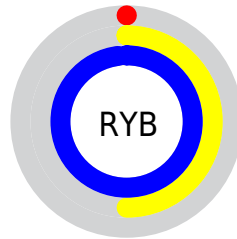
The XYZ color **51.2857, 75.7098, 99.9061** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.8081, 20.5204, 1.9797**, and the grayscale version is **40.8939, 43.0236, 46.8527**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.6958, 42.3452, 55.9512** is the 20% darker color. If you saturate the color by 10%, you get **51.2869, 75.7121, 99.9070**, and if you desaturate by 10%, it is **51.7541, 75.9458, 100.2526**.

Distribution



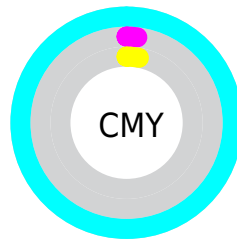
- Red (0%)
- Green (98%)
- Blue (97%)



- Red (0%)
- Yellow (50%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2857, 75.7098, 99.9061 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 51.2857, 75.7098, 99.9061 by changing the saturation by 10% instead.


 51.2857, 75.7098,
99.9061


 51.2857, 75.7098,
99.9061


382.0422,
480.3537, 581.1357


 36.6580, 56.1946,
75.6057


 91.2574, 127.3166,
163.0789

 25.1153, 40.3590,
55.6045


 117.3322,
160.1770, 202.7883

 16.2921, 27.8185,
39.4841

 147.9533,
198.2545, 248.4712

 9.8233, 18.1889,
26.8258

 183.4861,
241.9337, 300.5460

 5.3433, 11.0857,
17.2111

224.2961,
291.5987, 359.4313

 2.4869, 6.1245,
10.2216

270.7485,

 0.8886, 2.9209,

347.6342, 425.5457

5.4386

323.2088,
410.4244, 499.3076

■ 0.0000, 1.0906,
2.4436

■ 0.0000, 0.0000,
0.8101

■ 51.2857, 75.7098,
99.9061

■ 51.2857, 75.7098,
99.9061

■ 51.2869, 75.7121,
99.9070

■ 51.7541, 75.9458,
100.2526

■ 52.7398, 76.4467,
100.6223

■ 54.4039, 77.2975,
101.0244

■ 56.8433, 78.5478,
101.4635

■ 60.1390, 80.2396,
101.9433

■ 64.3622, 82.4095,
102.4673

■ 69.5762, 85.0902,
103.0383

■ 75.8392, 88.3116,
103.6591

■ 83.2046, 92.1014,
104.3322

Harmonies

Analogous

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



51.4700, 75.7098, 65.0018



51.2857, 75.7098, 99.9061



56.1766, 75.7098, 139.1805

Triad

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



51.2857, 75.7098, 99.9061



89.7207, 75.7098, 141.7564



78.7373, 75.7098, 32.8357

Complementary

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



51.2857, 75.7098, 99.9061



39.8081, 20.5204, 1.9797

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.



90.4530, 75.7098, 43.6871



51.2857, 75.7098, 99.9061



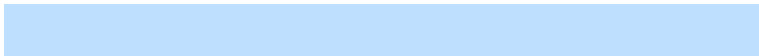
97.2727, 75.7098, 102.7361

Square

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



51.2857, 75.7098, 99.9061



77.8264, 75.7098, 167.6243



97.5551, 75.7098, 67.1298



66.3959, 75.7098, 32.4792

Rectangle

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



51.2857, 75.7098, 99.9061



62.0191, 75.7098, 159.8454



97.5551, 75.7098, 67.1298



82.9099, 75.7098, 35.1978

Sweetspot

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



51.2880, 75.7126, 99.9079



72.0892, 88.1859, 106.8034



34.5520, 69.0243, 11.5040



14.9148, 18.6104, 22.8056



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.



51.2880, 75.7126, 99.9079



53.1621, 78.4808, 103.5580



25.3594, 22.8565, 94.3450



17.7532, 19.6035, 22.1668



26.9632, 39.7983, 52.5428



2.5010, 3.6875, 4.8860

Inverse Universe

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



39.8081, 20.5204, 1.9797



41.2623, 21.2689, 2.0473



46.6660, 34.2713, 4.1575



17.2559, 17.2297, 17.9371



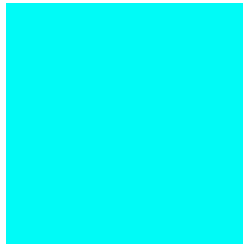
20.9284, 10.7871, 1.0655



1.9422, 1.0006, 0.1188

Previews

White Background



This preview shows how the XYZ color 51.2857, 75.7098, 99.9061 looks on a white background.

Color Contrast Check

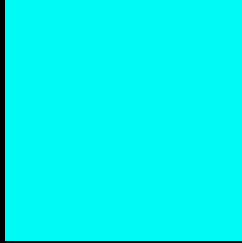
Large Text (above 18pt) WCAG AA × Fail

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 51.2857, 75.7098, 99.9061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

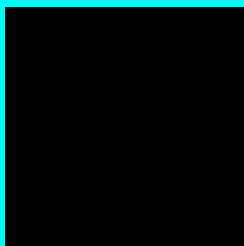
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

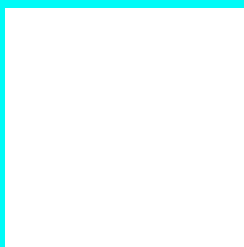
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.2857, 75.7098, 99.9061

Background



This preview shows how black text looks on a background with the XYZ color 51.2857, 75.7098, 99.9061.

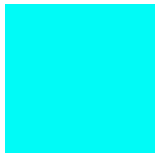


This preview shows how white text looks on a background with the XYZ color 51.2857, 75.7098,

Color Blindness Simulation

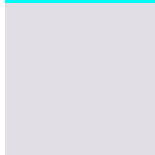
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



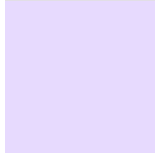
Original Color

51.2857, 75.7098, 99.9061



Protanopia

71.7682, 74.1245, 85.3878



Deuteranopia

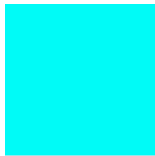
75.9158, 74.2875, 104.1037



Tritanopia

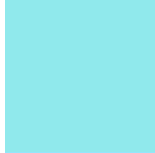
59.8218, 75.4490, 106.0179

Trichromacy



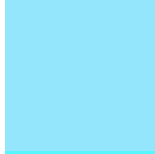
Original Color

51.2857, 75.7098, 99.9061



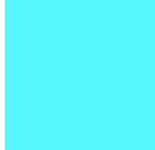
Protanomaly

55.7808, 70.2632, 89.9791



Deuteranomaly

57.7420, 69.7617, 101.6888



Tritanomaly

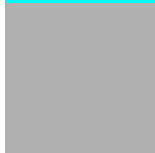
54.1536, 74.3593, 103.5941

Monochromacy



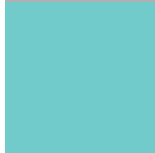
Original Color

51.2857, 75.7098, 99.9061



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.6987, 50.4209, 63.5697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2857, 75.7098, 99.9061 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, 251, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 251, 247)  
}
```

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, 251, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 251, 247) }
```

Border

The CSS property to change the border of an element to XYZ 51.2857, 75.7098, 99.9061 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, 251, 247) }
```


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

```
.border{ border-color:rgb(0, 251, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 251, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 251, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 251, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 251,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2857, 75.7098, 99.9061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 251, 247) }
```

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

```
.background{ background-color: rgb(0, 251,  
247) }
```

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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