

Converting Colors

XYZ(51.2632, 74.9429,
102.1239)

Have a look what the booklet for
XYZ(51.2632, 74.9429, 102.1239)
contains.

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Color

**XYZ(51.1310, 74.6535,
102.1572)**

Conversions

Conversions Part 1

Format	Color
Hex	00F9FA
RGB	0, 249, 250
RGB Percent	0%, 98%, 98%
CMY	0.9997, 0.0235, 0.0196
CMYK	1.00, 0.00, 0.00, 0.02
HSL	180°, 100%, 49%
HSV	180°, 100%, 98%
XYZ	51.1310, 74.6535, 102.1572
YIQ	174.6630, -148.7250, -52.4770

Conversions

Conversions Part 2

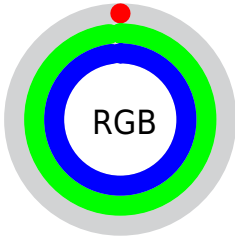
Format	Color
RYB	0, 125, 250
Decimal	63994
CIELab	89.23, -46.93, -14.36
CIELCh	89, 49.080, 197.016
Yxy	74.6535, 0.2243, 0.3275
Android (android.graphics.Color)	4278254074 (0xFF00F9FA)
YUV	174.6630, 37.1411, -153.1795
Hunter-Lab	86.4023, -45.5715, -9.6196

Details

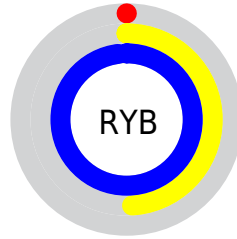
The XYZ color **51.1310, 74.6535, 102.1572** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.4370, 20.3477, 1.8510**, and the grayscale version is **40.4547, 42.5615, 46.3495**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.5872, 41.5943, 57.5607** is the 20% darker color. If you saturate the color by 10%, you get **51.1323, 74.6556, 102.1589**, and if you desaturate by 10%, it is **51.5659, 74.9251, 102.1881**.

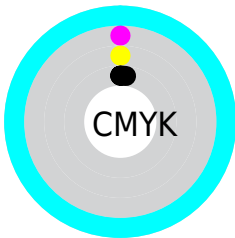
Distribution



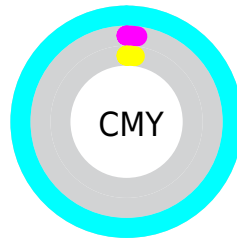
- Red (0%)
- Green (98%)
- Blue (98%)



- Red (0%)
- Yellow (49%)
- Blue (98%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1310, 74.6535, 102.1572 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 51.1310, 74.6535, 102.1572 by changing the saturation by 10% instead.


 51.1310, 74.6535,
102.1572

 51.1310, 74.6535,
102.1572


381.4518,
476.7258, 588.3926


 36.5343, 55.3291,
77.4764


 91.0302, 125.8218,
166.1962


 25.0192, 39.6653,
57.1301


 117.0635,
158.4344, 206.3915

 16.2201, 27.2776,
40.6996

 147.6397,
196.2452, 252.5954

 9.7719, 17.7818,
27.7665

 183.1241,
239.6386, 305.2264

 5.3091, 10.7935,
17.9122

223.8822,
288.9989, 364.7031

 2.4663, 5.9281,
10.7182

270.2793,

 0.8783, 2.8014,

344.7106, 431.4440

5.7659

322.6807,
407.1581, 505.8676

■ 0.0000, 1.0290,
2.6368

■ 0.0000, 0.0000,
0.9114

■ 51.1310, 74.6535,
102.1572

■ 51.1310, 74.6535,
102.1572

■ 51.1323, 74.6556,
102.1589

■ 51.5659, 74.9251,
102.1881

■ 52.5131, 75.4593,
102.2413

■ 54.1323, 76.3399,
102.3259

■ 56.5195, 77.6164,
102.4465

■ 59.7550, 79.3303,
102.6068

■ 63.9089, 81.5177,
102.8100

■ 69.0444, 84.2111,
103.0592

■ 75.2188, 87.4401,
103.3571

■ 82.4850, 91.2320,
103.7060

Harmonies

Analogous

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



50.7947, 74.6535, 67.3459



51.1310, 74.6535, 102.1572



56.3817, 74.6535, 139.7215

Triad

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



51.1310, 74.6535, 102.1572



89.1748, 74.6535, 135.0660



76.2581, 74.6535, 32.4605

Complementary

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



51.1310, 74.6535, 102.1572



39.4370, 20.3477, 1.8510

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.



87.8472, 74.6535, 41.9478



51.1310, 74.6535, 102.1572



95.8502, 74.6535, 97.0259

Square

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



51.1310, 74.6535, 102.1572



77.9119, 74.6535, 162.0873



95.3387, 74.6535, 63.4690



64.4268, 74.6535, 33.1162

Rectangle

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



51.1310, 74.6535, 102.1572



62.3364, 74.6535, 158.3937



95.3387, 74.6535, 63.4690



80.3355, 74.6535, 34.4241

Sweetspot

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



51.1333, 74.6563, 102.1590



72.1877, 88.0695, 107.8022



34.1874, 68.3729, 11.3975



14.9388, 18.5820, 23.0493



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.



51.1333, 74.6563, 102.1590



53.4860, 78.0919, 106.8620



24.5948, 21.5792, 93.3128



17.7596, 19.5960, 22.2317



27.1245, 39.6046, 54.1884



2.5141, 3.6718, 5.0194

Inverse Universe

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



56.5252, 27.1656, 91.8897



59.1264, 28.4146, 96.1187



46.7636, 35.0010, 4.2932



17.9899, 17.5233, 21.8028



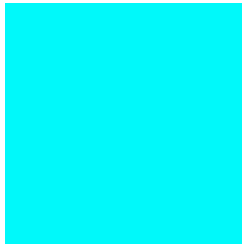
29.9832, 14.4090, 48.7476



2.7779, 1.3349, 4.5199

Previews

White Background



This preview shows how the XYZ color 51.1310, 74.6535, 102.1572 looks on a white background.

Color Contrast Check

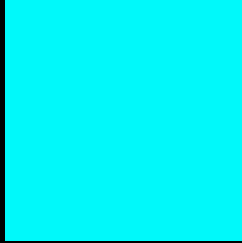
Large Text (above 18pt) WCAG AA × Fail

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 51.1310, 74.6535, 102.1572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

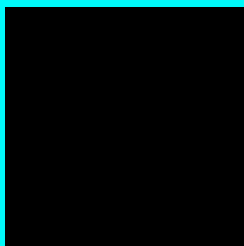
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1310, 74.6535, 102.1572

Background



This preview shows how black text looks on a background with the XYZ color 51.1310, 74.6535, 102.1572.

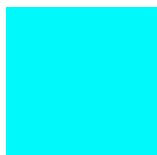


This preview shows how white text looks on a background with the XYZ color 51.1310, 74.6535,

Color Blindness Simulation

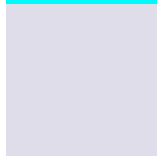
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51.1310, 74.6535, 102.1572



Protanopia

70.9959, 73.2841, 87.4942



Deuteranopia

74.5414, 73.1766, 104.8035



Tritanopia

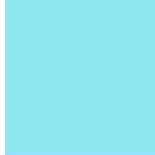
58.2633, 74.2073, 105.8604

Trichromacy



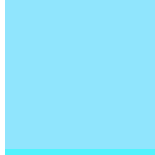
Original Color

51.1310, 74.6535, 102.1572



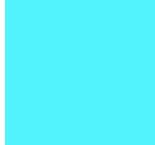
Protanomaly

55.3112, 69.1346, 92.0905



Deuteranomaly

57.2505, 69.0598, 103.2410



Tritanomaly

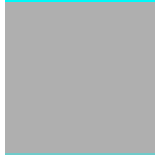
53.2599, 72.9869, 104.2093

Monochromacy



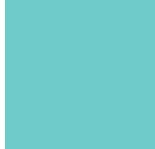
Original Color

51.1310, 74.6535, 102.1572



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

38.3367, 49.8848, 63.4853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1310, 74.6535, 102.1572 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, 249, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 249, 250)  
}
```

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, 249, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 249, 250) }
```

Border

The CSS property to change the border of an element to XYZ 51.1310, 74.6535, 102.1572 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, 249, 250) }
```


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

```
.border{ border-color:rgb(0, 249, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 249, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 249, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 249, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 249,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1310, 74.6535, 102.1572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 249, 250) }
```

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

```
.background{ background-color: rgb(0, 249,  
250) }
```

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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