

Converting Colors

XYZ(51.2728, 74.9773,
101.8239)

Have a look what the booklet for
XYZ(51.2728, 74.9773, 101.8239)
contains.

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Color

**XYZ(51.4910, 75.2992,
102.2628)**

Conversions

Conversions Part 1

Format	Color
Hex	04FAFA
RGB	4, 250, 250
RGB Percent	2%, 98%, 98%
CMY	0.9840, 0.0196, 0.0196
CMYK	0.98, 0.00, 0.00, 0.02
HSL	180°, 97%, 50%
HSV	180°, 98%, 98%
XYZ	51.4910, 75.2992, 102.2628
YIQ	176.4460, -146.6160, -52.1520

Conversions

Conversions Part 2

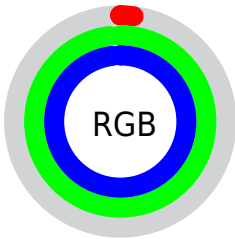
Format	Color
RYB	4, 127, 250
Decimal	326394
CIELab	89.53, -47.28, -13.91
CIELCh	90, 49.286, 196.391
Yxy	75.2992, 0.2248, 0.3287
Android (android.graphics.Color)	4278516474 (0xFF04FAFA)
YUV	176.4460, 36.2621, -151.2351
Hunter-Lab	86.7751, -45.9373, -9.1295

Details

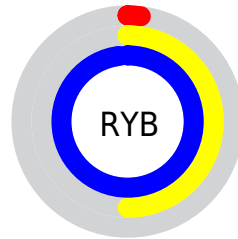
The XYZ color **51.4910, 75.2992, 102.2628** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.4922, 20.4220, 1.9773**, and the grayscale version is **41.3830, 43.5381, 47.4130**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.8076, 42.0350, 57.6342** is the 20% darker color. If you saturate the color by 10%, you get **51.4423, 75.2757, 102.2622**, and if you desaturate by 10%, it is **51.9511, 75.5380, 102.2862**.

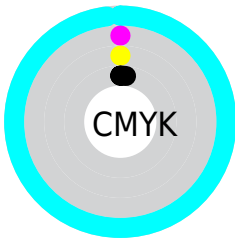
Distribution



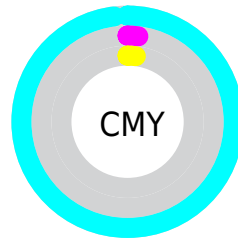
- Red (2%)
- Green (98%)
- Blue (98%)



- Red (2%)
- Yellow (50%)
- Blue (98%)



- Cyan (98%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)




- Cyan (98%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4910, 75.2992, 102.2628 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 51.4910, 75.2992, 102.2628 by changing the saturation by 10% instead.


 51.4910, 75.2992,
102.2628


 51.4910, 75.2992,
102.2628


382.8247,
478.9453, 588.7318


 36.8221, 55.8580,
77.5643


 91.5588, 126.7358,
166.3423


 25.2429, 40.0891,
57.2018


 117.6885,
159.5000, 206.5602

 16.3878, 27.6080,
40.7568


 148.3692,
197.4741, 252.7884

 9.8916, 18.0304,
27.8109

 183.9662,
241.0423, 305.4454

 5.3888, 10.9718,
17.9453

224.8449,
290.5892, 364.9497

 2.5142, 6.0479,
10.7417

271.3706,

 0.9024, 2.8742,

346.4990, 431.7199

5.7814

323.9088,
409.1563, 506.1744

■ 0.0000, 1.0664,
2.6460

■ 0.0000, 0.0000,
0.9161

■ 51.4910, 75.2992,
102.2628

■ 51.4910, 75.2992,
102.2628

■ 51.4423, 75.2757,
102.2622

■ 51.9511, 75.5380,
102.2862

■ 52.9676, 76.0620,
102.3339

■ 54.6729, 76.9411,
102.4139

■ 57.1598, 78.2232,
102.5305

■ 60.5068, 79.9486,
102.6873

■ 64.7829, 82.1530,
102.8876

■ 70.0500, 84.8683,
103.1342

■ 76.3647, 88.1237,
103.4299

■ 83.7795, 91.9461,
103.7771

Harmonies

Analogous

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



51.2566, 75.2992, 67.2894



51.4910, 75.2992, 102.2628



56.6932, 75.2992, 140.3090

Triad

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



51.4910, 75.2992, 102.2628



89.7700, 75.2992, 137.0619



77.1842, 75.2992, 32.7852

Complementary

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



51.4910, 75.2992, 102.2628



39.4922, 20.4220, 1.9773

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.



88.8443, 75.2992, 42.5900



51.4910, 75.2992, 102.2628



96.6447, 75.2992, 98.6850

Square

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



51.4910, 75.2992, 102.2628



78.3372, 75.2992, 163.9542



96.2880, 75.2992, 64.5875



65.2035, 75.2992, 33.2417

Rectangle

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



51.4910, 75.2992, 102.2628



62.6512, 75.2992, 159.4427



96.2880, 75.2992, 64.5875



81.2967, 75.2992, 34.8381

Sweetspot

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



51.4933, 75.3020, 102.2646



72.2849, 88.2642, 107.8341



34.3113, 68.4351, 11.5178



14.9625, 18.6295, 23.0571



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.



51.4933, 75.3020, 102.2646



53.8097, 78.7399, 106.9683



25.4415, 23.1979, 93.5822



17.7659, 19.6086, 22.2337



27.2857, 39.9273, 54.2413



2.5271, 3.6980, 5.0237

Inverse Universe

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



39.4922, 20.4220, 1.9773



41.2400, 21.2600, 1.9301



46.5233, 34.4843, 4.3210



17.2447, 17.2252, 17.8783



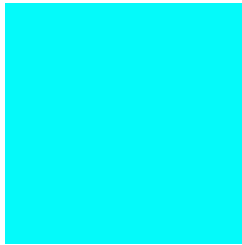
20.9119, 10.7805, 0.9787



1.9368, 0.9985, 0.0907

Previews

White Background



This preview shows how the XYZ color 51.4910, 75.2992, 102.2628 looks on a white background.

Color Contrast Check

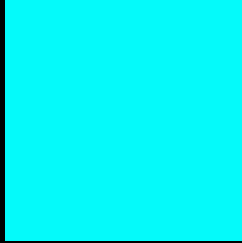
Large Text (above 18pt) WCAG AA × Fail

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 51.4910, 75.2992, 102.2628 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 51.4910, 75.2992, 102.2628

Background



This preview shows how black text looks on a background with the XYZ color 51.4910, 75.2992, 102.2628.



This preview shows how white text looks on a background with the XYZ color 51.4910, 75.2992,

Color Blindness Simulation

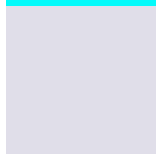
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



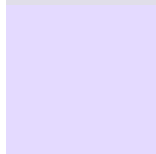
Original Color

51.4910, 75.2992, 102.2628



Protanopia

71.5697, 73.9730, 87.5969



Deuteranopia

75.1163, 73.8568, 104.9045



Tritanopia

58.8830, 74.5267, 105.8894

Trichromacy



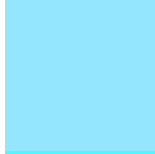
Original Color

51.4910, 75.2992, 102.2628



Protanomaly

55.9382, 69.8745, 92.2002



Deuteranomaly

58.0591, 69.8885, 103.3583



Tritanomaly

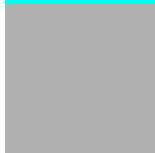
53.9181, 73.7716, 104.3261

Monochromacy



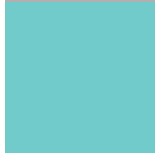
Original Color

51.4910, 75.2992, 102.2628



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.9455, 50.5344, 64.2014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4910, 75.2992, 102.2628 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(4, 250, 250)` looks like.

```
.text, #text, p{  
    color:rgb(4, 250, 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(4, 250, 250) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 51.4910, 75.2992, 102.2628 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(4, 250, 250) }
```


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

```
.border{ border-color:rgb(4, 250, 250) }
```

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

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

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

Background

The CSS property to change the background color of an element to XYZ 51.4910, 75.2992, 102.2628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 250, 250) }
```

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

```
.background{ background-color: rgb(4, 250,  
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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