

Converting Colors

XYZ(49.9214, 71.7296,
103.3095)

Have a look what the booklet for
XYZ(49.9214, 71.7296, 103.3095)
contains.

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Color

**XYZ(49.9214, 71.7296,
103.3095)**

Conversions

Conversions Part 1

Format	Color
Hex	00F4FC
RGB	0, 244, 252
RGB Percent	0%, 96%, 99%
CMY	0.9997, 0.0431, 0.0118
CMYK	1.00, 0.03, 0.00, 0.01
HSL	182°, 100%, 49%
HSV	182°, 100%, 99%
XYZ	49.9214, 71.7296, 103.3095
YIQ	171.9560, -147.9920, -49.2400

Conversions

Conversions Part 2

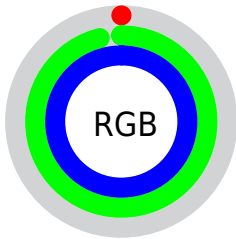
Format	Color
RYB	0, 124, 252
Decimal	62716
CIELab	87.84, -44.16, -17.50
CIELCh	88, 47.503, 201.612
Yxy	71.7296, 0.2219, 0.3189
Android (android.graphics.Color)	4278252796 (0xFF00F4FC)
YUV	171.9560, 39.4617, -150.8054
Hunter-Lab	84.6933, -42.9988, -13.0370

Details

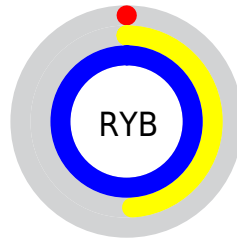
The XYZ color **49.9214, 71.7296, 103.3095** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **40.2336, 20.8713, 1.9103**, and the grayscale version is **39.0637, 41.0980, 44.7558**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **27.6207, 39.4808, 57.7946** is the 20% darker color. If you saturate the color by 10%, you get **49.9218, 71.7302, 103.3109**, and if you desaturate by 10%, it is **50.5717, 72.4245, 103.4107**.

Distribution



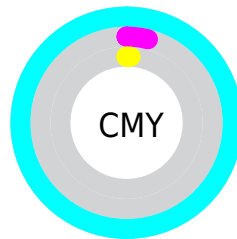
- Red (0%)
- Green (96%)
- Blue (99%)



- Red (0%)
- Yellow (49%)
- Blue (99%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (4%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9214, 71.7296, 103.3095 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 49.9214, 71.7296, 103.3095 by changing the saturation by 10% instead.

49.9214, 71.7296,
103.3095

49.9214, 71.7296,
103.3095

376.8156,
466.5999, 592.0890

35.5685, 52.9378,
78.4351

89.2509, 121.6720,
167.7892

24.2697, 37.7531,
57.9129

114.9583,
153.5914, 208.2316

15.6596, 25.7911,
41.3244

145.1811,
190.6555, 254.7003

9.3729, 16.6675,
28.2510

180.2848,
233.2487, 307.6140

5.0443, 9.9977,
18.2743

220.6348,
281.7553, 367.3912

2.3083, 5.3974,
10.9756

266.5963,

0.7989, 2.4823,

336.5598, 434.4504

5.9365

318.5348,
398.0465, 509.2101

■ 0.0000, 0.8677,
2.7383

■ 0.0000, 0.0000,
0.9626

■ 49.9214, 71.7296,
103.3095

■ 49.9214, 71.7296,
103.3095

■ 49.9218, 71.7302,
103.3109

■ 50.5717, 72.4245,
103.4107

■ 51.7454, 73.3893,
103.5351

■ 53.6048, 74.7091,
103.6918

■ 56.2475, 76.4343,
103.8855

■ 59.7556, 78.6072,
104.1200

■ 64.2007, 81.2647,
104.3987

■ 69.6471, 84.4400,
104.7245

■ 76.1532, 88.1631,
105.1003

■ 83.7731, 92.4619,
105.5284

Harmonies

Analogous

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



48.8777, 71.7296, 69.3789



49.9214, 71.7296, 103.3095



55.5658, 71.7296, 137.6668

Triad

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



49.9214, 71.7296, 103.3095



86.6462, 71.7296, 123.4169



71.3927, 71.7296, 31.3299

Complementary

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



49.9214, 71.7296, 103.3095



40.2336, 20.8713, 1.9103

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.



82.5646, 71.7296, 38.8043



49.9214, 71.7296, 103.3095



91.9856, 71.7296, 87.5258

Square

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



49.9214, 71.7296, 103.3095



76.4886, 71.7296, 151.3286



90.4149, 71.7296, 57.3686



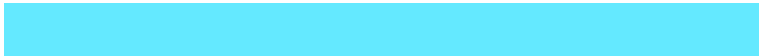
60.4901, 71.7296, 33.3888

Rectangle

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



49.9214, 71.7296, 103.3095



61.5559, 71.7296, 153.1954



90.4149, 71.7296, 57.3686



75.2562, 71.7296, 32.7146

Sweetspot

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



49.9236, 71.7322, 103.3112



71.5151, 86.7243, 107.5780



34.8353, 69.6317, 11.7271



14.7747, 18.2540, 22.9946



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.



49.9236, 71.7322, 103.3112



51.2814, 73.6828, 106.1271



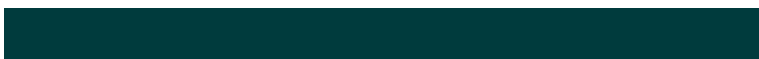
24.5121, 20.9092, 94.8407



17.7158, 19.5084, 22.2171



26.0263, 37.4081, 53.8223



2.4249, 3.4935, 4.9897

Inverse Universe

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



56.4760, 27.2293, 87.8697



58.0137, 27.9695, 90.2590



48.1604, 36.7250, 4.5526



17.9678, 17.5145, 21.6864



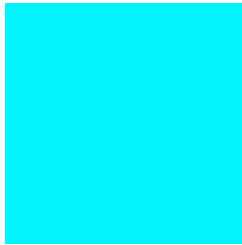
29.4289, 14.1873, 45.8284



2.7329, 1.3169, 4.2828

Previews

White Background



This preview shows how the XYZ color 49.9214, 71.7296, 103.3095 looks on a white background.

Color Contrast Check

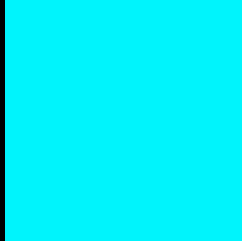
Large Text (above 18pt) WCAG AA × Fail

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 49.9214, 71.7296, 103.3095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

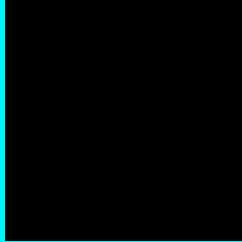
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

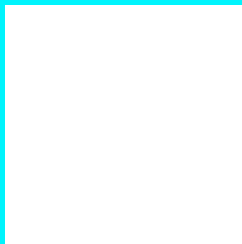
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9214, 71.7296, 103.3095

Background



This preview shows how black text looks on a background with the XYZ color 49.9214, 71.7296, 103.3095.

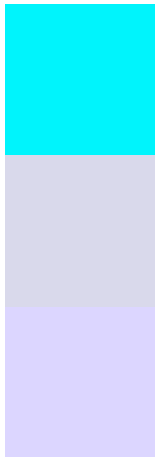


This preview shows how white text looks on a background with the XYZ color 49.9214, 71.7296,

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

49.9214, 71.7296, 103.3095

Protanopia

68.4235, 70.3756, 88.5748

Deuteranopia

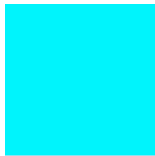
71.6118, 70.5288, 104.4468



Tritanopia

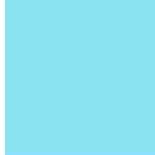
54.2181, 71.2526, 105.5033

Trichromacy



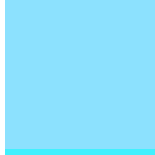
Original Color

49.9214, 71.7296, 103.3095



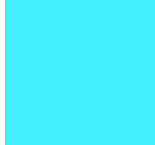
Protanomaly

53.8275, 66.6923, 93.2550



Deuteranomaly

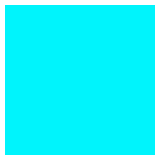
55.6298, 66.5816, 103.6855



Tritanomaly

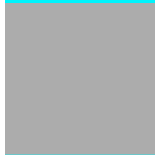
51.2962, 70.6342, 104.6961

Monochromacy



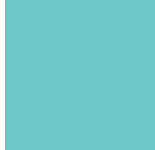
Original Color

49.9214, 71.7296, 103.3095



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.0434, 47.8564, 62.5432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9214, 71.7296, 103.3095 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, 244, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 244, 252)  
}
```

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, 244, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 244, 252) }
```

Border

The CSS property to change the border of an element to XYZ 49.9214, 71.7296, 103.3095 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, 244, 252) }
```


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

```
.border{ border-color:rgb(0, 244, 252) }
```

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

Here you see how a box with a 4 pixel rgb(0, 244, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 244, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 244, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 244,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9214, 71.7296, 103.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 244, 252) }
```

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

```
.background{ background-color: rgb(0, 244,  
252) }
```

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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