

Converting Colors

XYZ(50.1534, 72.7235,
101.7540)

Have a look what the booklet for
XYZ(50.1534, 72.7235, 101.7540)
contains.

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Color

**XYZ(50.2111, 72.8137,
101.8505)**

Conversions

Conversions Part 1

Format	Color
Hex	00F6FA
RGB	0, 246, 250
RGB Percent	0%, 96%, 98%
CMY	0.9997, 0.0353, 0.0196
CMYK	1.00, 0.02, 0.00, 0.02
HSL	181°, 100%, 49%
HSV	181°, 100%, 98%
XYZ	50.2111, 72.8137, 101.8505
YIQ	172.9020, -147.9000, -50.9080

Conversions

Conversions Part 2

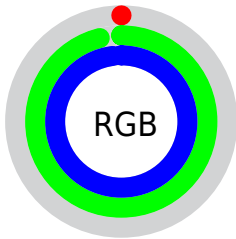
Format	Color
RYB	0, 124, 250
Decimal	63226
CIELab	88.36, -45.63, -15.67
CIELCh	88, 48.243, 198.953
Yxy	72.8137, 0.2233, 0.3238
Android (android.graphics.Color)	4278253306 (0xFF00F6FA)
YUV	172.9020, 38.0093, -151.6351
Hunter-Lab	85.3309, -44.2948, -11.0365

Details

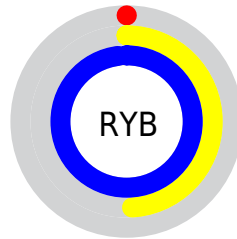
The XYZ color **50.2111, 72.8137, 101.8505** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **39.4695, 20.4128, 1.8619**, and the grayscale version is **39.5490, 41.6086, 45.3118**.

A 20% lighter version of the original color is **61.4177, 82.6619, 107.3260**, and **27.9352, 40.2902, 57.3434** is the 20% darker color. If you saturate the color by 10%, you get **50.2121, 72.8152, 101.8521**, and if you desaturate by 10%, it is **50.7369, 73.2671, 101.9117**.

Distribution



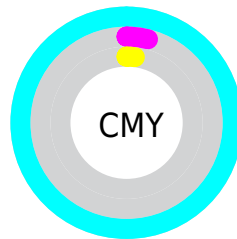
- Red (0%)
- Green (96%)
- Blue (98%)



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



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





- Cyan (100%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2111, 72.8137, 101.8505 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 50.2111, 72.8137, 101.8505 by changing the saturation by 10% instead.


 50.2111, 72.8137,
101.8505


 50.2111, 72.8137,
101.8505

377.9293,
470.3689, 587.4067

 35.7996, 53.8236,
77.2214


 89.6775, 123.2127,
165.7719

 24.4489, 38.4607,
56.9220


 115.4632,
155.3904, 205.9012

 15.7935, 26.3404,
40.5336


 145.7710,
192.7328, 252.0344

 9.4680, 17.0785,
27.6379

 180.9663,
235.6243, 304.5900

 5.1073, 10.2905,
17.8162

221.4144,
284.4493, 363.9864

 2.3457, 5.5920,
10.6501

267.4807,

 0.8179, 2.5986,

339.5921, 430.6423

5.7208

319.5305,
401.4371, 504.9762

■ 0.0000, 0.9260,
2.6101

■ 0.0000, 0.0000,
0.8976

■ 50.2111, 72.8137,
101.8505

■ 50.2111, 72.8137,
101.8505

■ 50.2121, 72.8152,
101.8521

■ 50.7369, 73.2671,
101.9117

■ 51.7752, 73.9835,
101.9952

■ 53.4859, 75.0470,
102.1103

■ 55.9648, 76.5068,
102.2615

■ 59.2922, 78.4045,
102.4524

■ 63.5383, 80.7762,
102.6864

■ 68.7662, 83.6544,
102.9664

■ 75.0332, 87.0687,
103.2951

■ 82.3924, 91.0464,
103.6750

Harmonies

Analogous

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



49.5723, 72.8137, 67.6791



50.2111, 72.8137, 101.8505



55.5904, 72.8137, 137.7577

Triad

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



50.2111, 72.8137, 101.8505



87.3956, 72.8137, 128.9657



73.5623, 72.8137, 31.7176

Complementary

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



50.2111, 72.8137, 101.8505



39.4695, 20.4128, 1.8619

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.



84.8837, 72.8137, 40.2566



50.2111, 72.8137, 101.8505



93.4432, 72.8137, 92.1400

Square

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



50.2111, 72.8137, 101.8505



76.6943, 72.8137, 156.1844



92.4759, 72.8137, 60.3205



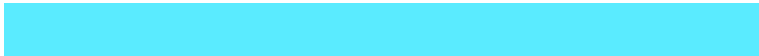
62.2240, 72.8137, 32.9693

Rectangle

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



50.2111, 72.8137, 101.8505



61.5143, 72.8137, 154.9351



92.4759, 72.8137, 60.3205



77.5162, 72.8137, 33.4153

Sweetspot

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



50.2133, 72.8164, 101.8523



71.8959, 87.4859, 107.7049



34.1874, 68.3729, 11.3975



14.8676, 18.4396, 23.0256



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.



50.2133, 72.8164, 101.8523



52.5224, 76.1649, 106.5408



24.5948, 21.5794, 93.3128



17.7406, 19.5581, 22.2254



26.6446, 38.6448, 54.0284



2.4752, 3.5940, 5.0064

Inverse Universe

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



56.0608, 26.9799, 89.4445



58.6401, 28.2200, 93.5577



46.7637, 35.0011, 4.2933



17.9804, 17.5195, 21.7524



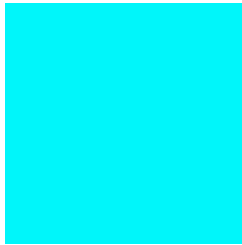
29.7410, 14.3121, 47.4720



2.7583, 1.3270, 4.4164

Previews

White Background



This preview shows how the XYZ color 50.2111, 72.8137, 101.8505 looks on a white background.

Color Contrast Check

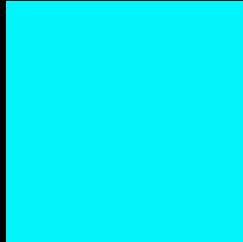
Large Text (above 18pt) WCAG AA × Fail

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 50.2111, 72.8137, 101.8505 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

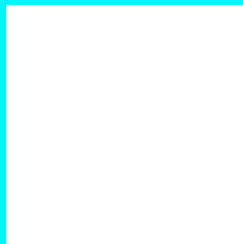
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2111, 72.8137, 101.8505

Background



This preview shows how black text looks on a background with the XYZ color 50.2111, 72.8137, 101.8505.

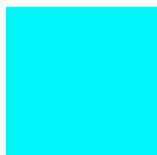


This preview shows how white text looks on a background with the XYZ color 50.2111, 72.8137,

Color Blindness Simulation

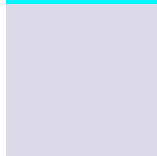
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50.2111, 72.8137, 101.8505



Protanopia

69.2946, 71.2416, 87.1896



Deuteranopia

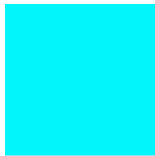
72.7819, 71.5089, 104.5743



Tritanopia

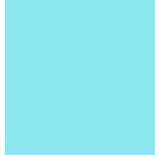
55.8559, 72.5304, 105.6636

Trichromacy



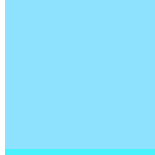
Original Color

50.2111, 72.8137, 101.8505



Protanomaly

54.1386, 67.2942, 91.7970



Deuteranomaly

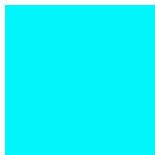
56.0813, 67.2353, 102.9504



Tritanomaly

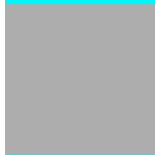
52.2294, 72.0126, 104.0755

Monochromacy



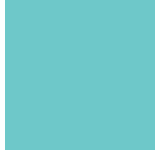
Original Color

50.2111, 72.8137, 101.8505



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.6273, 48.8406, 62.7024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2111, 72.8137, 101.8505 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, 246, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 246, 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, 246, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 246, 250) }
```

Border

The CSS property to change the border of an element to XYZ 50.2111, 72.8137, 101.8505 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, 246, 250) }
```


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

```
.border{ border-color:rgb(0, 246, 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, 246, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 246, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 246, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 246,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2111, 72.8137, 101.8505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 246, 250) }
```

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

```
.background{ background-color: rgb(0, 246,  
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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