

Converting Colors

XYZ(42.1630, 79.5106, 97.7245)

Have a look what the booklet for
XYZ(42.1630, 79.5106, 97.7245)
contains.

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Color

**XYZ(51.9377, 77.9911,
97.1104)**

Conversions

Conversions Part 1

Format	Color
Hex	00FFF3
RGB	0, 255, 243
RGB Percent	0%, 100%, 95%
CMY	0.9997, 0.0000, 0.0471
CMYK	1.00, 0.00, 0.05, 0.00
HSL	177°, 100%, 50%
HSV	177°, 100%, 100%
XYZ	51.9377, 77.9911, 97.1104
YIQ	177.3870, -148.1280, -57.7920

Conversions

Conversions Part 2

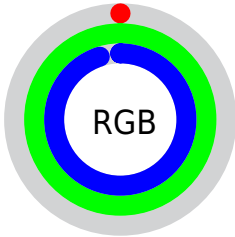
Format	Color
RYB	0, 131, 255
Decimal	65523
CIELab	90.78, -51.47, -8.42
CIELCh	91, 52.149, 189.291
Yxy	77.9911, 0.2288, 0.3435
Android (android.graphics.Color)	4278255603 (0xFF00FF3)
YUV	177.3870, 32.3472, -155.5684
Hunter-Lab	88.3126, -49.5690, -3.3778

Details

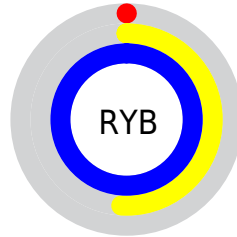
The XYZ color **51.9377, 77.9911, 97.1104** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.3076, 21.2882, 2.2819**, and the grayscale version is **41.8952, 44.0771, 47.9999**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **28.9359, 43.5204, 53.8889** is the 20% darker color. If you saturate the color by 10%, you get **51.9374, 77.9910, 97.1092**, and if you desaturate by 10%, it is **52.5349, 78.2779, 98.0891**.

Distribution



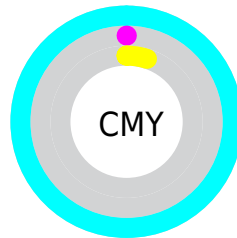
- Red (0%)
- Green (100%)
- Blue (95%)



- Red (0%)
- Yellow (51%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9377, 77.9911, 97.1104 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 51.9377, 77.9911, 97.1104 by changing the saturation by 10% instead.


 51.9377, 77.9911,
97.1104


 51.9377, 77.9911,
97.1104

384.5240,
488.1366, 572.0554


 37.1795, 58.0667,
73.2861


 92.2141, 130.5376,
159.1976


 25.5208, 41.8622,
53.7167


 118.4630,
163.9284, 198.2976

 16.5963, 28.9934,
37.9836

 149.2729,
202.5768, 243.3266

 10.0406, 19.0759,
25.6682

 185.0091,
246.8672, 294.7031

 5.4884, 11.7251,
16.3521

226.0369,
297.1840, 352.8457

 2.5742, 6.5568,
9.6166

272.7218,

 0.9328, 3.1865,

353.9116, 418.1729

5.0432

325.4290,
417.4343, 491.1033

■ 0.0000, 1.2299,
2.2135

■ 0.0000, 0.0859,
0.6821

■ 51.9377, 77.9911,
97.1104

■ 51.9377, 77.9911,
97.1104

■ 51.9374, 77.9910,
97.1092

■ 52.5349, 78.2779,
98.0891

■ 53.6717, 78.8428,
99.0978

■ 55.5132, 79.7708,
100.1457

■ 58.1601, 81.1140,
101.2375

■ 61.6969, 82.9157,
102.3772

■ 66.1974, 85.2140,
103.5682

■ 71.7275, 88.0431,
104.8137

■ 78.3477, 91.4339,
106.1164

■ 86.1134, 95.4152,
107.4791

Harmonies

Analogous

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



52.9681, 77.9911, 61.8702



51.9377, 77.9911, 97.1104



56.2864, 77.9911, 139.3059

Triad

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



51.9377, 77.9911, 97.1104



91.2573, 77.9911, 153.9110



83.4008, 77.9911, 33.7227

Complementary

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



51.9377, 77.9911, 97.1104



41.3076, 21.2882, 2.2819

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.



95.3904, 77.9911, 46.9274



51.9377, 77.9911, 97.1104



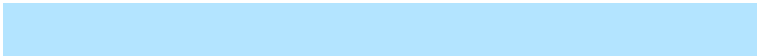
100.2846, 77.9911, 113.0807

Square

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



51.9377, 77.9911, 97.1104



78.2711, 77.9911, 177.9030



101.8802, 77.9911, 73.7933



70.1342, 77.9911, 31.7545

Rectangle

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



51.9377, 77.9911, 97.1104



61.9901, 77.9911, 163.3026



101.8802, 77.9911, 73.7933



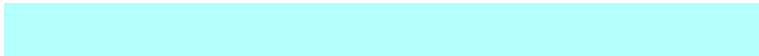
87.7555, 77.9911, 36.7577

Sweetspot

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



51.9388, 77.9916, 97.1119



71.7107, 88.0345, 104.8102



35.9237, 71.6043, 11.9297



14.8225, 18.5735, 22.3198



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.



51.9388, 77.9916, 97.1119



51.9374, 77.9910, 97.1092



27.4702, 26.0591, 98.1898



18.5158, 20.4658, 23.0189



27.1546, 40.7584, 50.8269



2.6549, 3.9729, 5.0065

Inverse Universe

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



41.3076, 21.2882, 2.2819



41.3064, 21.2865, 2.2795



47.3471, 33.4735, 3.9676



18.0440, 18.0009, 18.8490



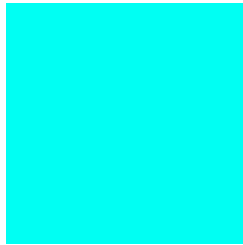
21.5981, 11.1285, 1.2682



2.1146, 1.0882, 0.1848

Previews

White Background



This preview shows how the XYZ color 51.9377, 77.9911, 97.1104 looks on a white background.

Color Contrast Check

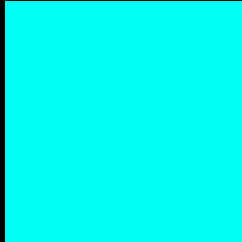
Large Text (above 18pt) WCAG AA × Fail

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 51.9377, 77.9911, 97.1104 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 51.9377, 77.9911, 97.1104

Background



This preview shows how black text looks on a background with the XYZ color 51.9377, 77.9911, 97.1104.

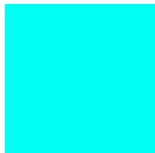


This preview shows how white text looks on a background with the XYZ color 51.9377, 77.9911, 97.1104.

Color Blindness Simulation

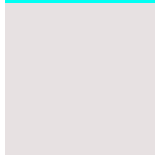
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



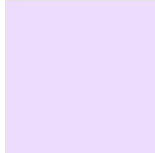
Original Color

51.9377, 77.9911, 97.1104



Protanopia

73.6077, 76.3303, 82.8052



Deuteranopia

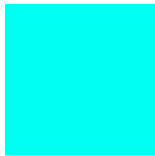
77.9308, 76.1560, 101.8590



Tritanopia

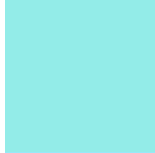
62.7510, 77.3997, 106.2400

Trichromacy



Original Color

51.9377, 77.9911, 97.1104



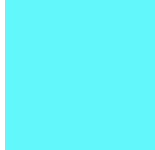
Protanomaly

56.5936, 72.0201, 87.2624



Deuteranomaly

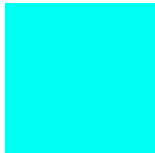
58.8447, 71.6344, 99.5323



Tritanomaly

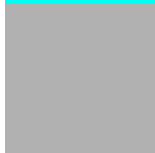
55.6031, 76.0280, 103.0111

Monochromacy



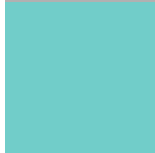
Original Color

51.9377, 77.9911, 97.1104



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.1840, 51.3904, 63.1125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9377, 77.9911, 97.1104 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, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 243)  
}
```

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, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 243) }
```

Border

The CSS property to change the border of an element to XYZ 51.9377, 77.9911, 97.1104 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, 255, 243) }
```


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

```
.border{ border-color:rgb(0, 255, 243) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9377, 77.9911, 97.1104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 243) }
```

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

```
.background{ background-color: rgb(0, 255,  
243) }
```

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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