

# Converting Colors

XYZ(38.7097, 76.8803, 97.4987)

Have a look what the booklet for  
XYZ(38.7097, 76.8803, 97.4987)  
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

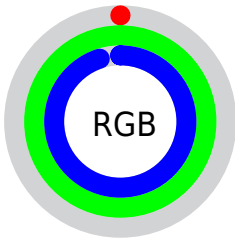
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 131, 255
Decimal	65523
CIELab	90.78, -51.47, -8.42
CIELCh	91, 52.149, 189.291
Yxy	77.9911, 0.2288, 0.3435
Android (android.graphics.Color)	4278255603 (0xFF00FF3)
YUV	177.3870, 32.3472, -155.5684
Hunter-Lab	88.3126, -49.5690, -3.3778

# 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



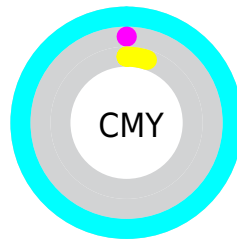
- Red (0%)
- Green (100%)
- Blue (95%)



- 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



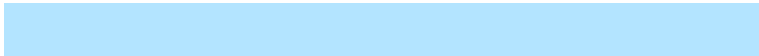
100.2846, 77.9911, 113.0807

# 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



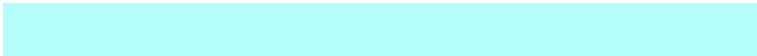
87.7555, 77.9911, 36.7577

# 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

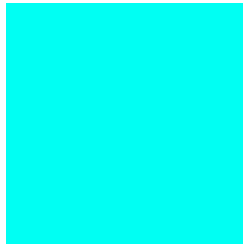


2.1146, 1.0882, 0.1848



# 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

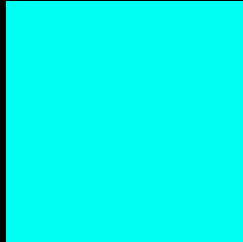
Any Text WCAG AA × Fail

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.



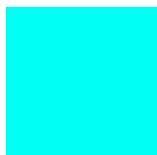
This preview shows how white text looks on a background with the XYZ color 51.9377, 77.9911,



# Color Blindness Simulation

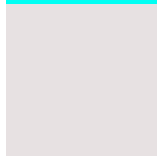
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

51.9377, 77.9911, 97.1104



### Protanopia

73.6077, 76.3303, 82.8052



### Deuteranopia

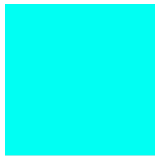
77.9308, 76.1560, 101.8590



## Tritanopia

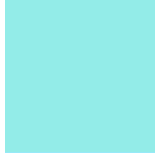
62.7510, 77.3997, 106.2400

# Trichromacy



## Original Color

51.9377, 77.9911, 97.1104



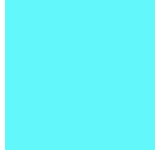
## Protanomaly

56.5936, 72.0201, 87.2624



## Deuteranomaly

58.8447, 71.6344, 99.5323



## Tritanomaly

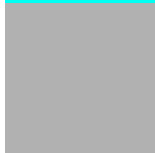
55.6031, 76.0280, 103.0111

# Monochromacy



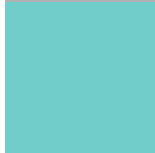
## Original Color

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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