

# Converting Colors

XYZ(52.7645, 78.3218,  
101.4642)

Have a look what the booklet for  
XYZ(52.7645, 78.3218, 101.4642)  
contains.

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# Color

**XYZ(52.7033, 78.2973,  
101.1421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FFF8
RGB	0, 255, 248
RGB Percent	0%, 100%, 97%
CMY	0.9997, 0.0000, 0.0274
CMYK	1.00, 0.00, 0.03, 0.00
HSL	178°, 100%, 50%
HSV	178°, 100%, 100%
XYZ	52.7033, 78.2973, 101.1421
YIQ	177.9570, -149.7330, -56.2370

# Conversions

## Conversions Part 2

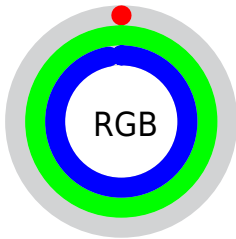
Format	Color
<a href="#">RYB</a>	<a href="#">0, 129, 255</a>
Decimal	<a href="#">65528</a>
CIELab	<a href="#">90.92, -50.07, -10.81</a>
CIELCh	<a href="#">91, 51.221, 192.180</a>
Yxy	<a href="#">78.2973, 0.2270, 0.3373</a>
Android (android.graphics.Color)	<a href="#">4278255608</a> ( <a href="#">0xFF00FF8</a> )
YUV	<a href="#">177.9570, 34.5312, -156.0683</a>
Hunter-Lab	<a href="#">88.4858, -48.5331, -5.8304</a>

# Details

The XYZ color **52.7033, 78.2973, 101.1421** 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 **41.2796, 21.2771, 2.1343**, and the grayscale version is **42.1856, 44.3825, 48.3326**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **29.4807, 43.7383, 56.7577** is the 20% darker color. If you saturate the color by 10%, you get **52.7032, 78.2973, 101.1419**, and if you desaturate by 10%, it is **53.2276, 78.5550, 101.7361**.

# Distribution



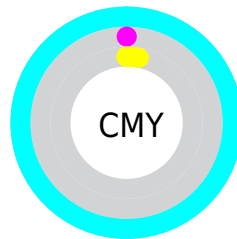
- Red (0%)
- Green (100%)
- Blue (97%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7033, 78.2973, 101.1421 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 52.7033, 78.2973, 101.1421 by changing the saturation by 10% instead.



52.7033, 78.2973,  
101.1421

52.7033, 78.2973,  
101.1421

387.4253,  
489.1759, 585.1261

37.7925, 58.3182,  
76.6325

93.3357, 130.9691,  
164.7913

25.9982, 42.0645,  
56.4415

119.7881,  
164.4307, 204.7681

16.9549, 29.1518,  
40.1507

150.8183,  
203.1552, 250.7376

10.2975, 19.1957,  
27.3414

186.7918,  
247.5271, 303.1185

5.6604, 11.8118,  
17.5951

228.0739,  
297.9307, 362.3292

2.6784, 6.6156,  
10.4932

275.0299,

0.9861, 3.2229,

354.7504, 428.7884

5.6173

328.0253,  
418.3707, 502.9145

■ 0.0000, 1.2492,  
2.5488

■ 0.0000, 0.1013,  
0.8659

■ 52.7033, 78.2973,  
101.1421

■ 52.7033, 78.2973,  
101.1421

■ 52.7032, 78.2973,  
101.1419

■ 53.2276, 78.5550,  
101.7361

■ 54.2906, 79.0904,  
102.3561

■ 56.0576, 79.9886,  
103.0111

■ 58.6293, 81.3017,  
103.7058

■ 62.0900, 83.0730,  
104.4444

■ 66.5136, 85.3406,  
105.2301

■ 71.9661, 88.1387,  
106.0661

■ 78.5079, 91.4981,  
106.9552

■ 86.1945, 95.4478,  
107.9000

# Harmonies

## Analogous

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



53.2070, 78.2973, 65.3009



52.7033, 78.2973, 101.1421



57.5038, 78.2973, 142.4273

# Triad

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



52.7033, 78.2973, 101.1421



92.3554, 78.2973, 149.5038



82.2744, 78.2973, 33.9151

# Complementary

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



52.7033, 78.2973, 101.1421



41.2796, 21.2771, 2.1343

# 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.



94.3638, 78.2973, 45.8837



52.7033, 78.2973, 101.1421



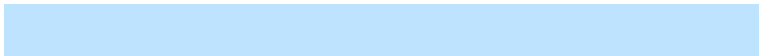
100.6309, 78.2973, 108.9029

# Square

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



52.7033, 78.2973, 101.1421



79.7783, 78.2973, 175.2953



101.4057, 78.2973, 71.1208



69.3057, 78.2973, 32.9455



# Rectangle

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



52.7033, 78.2973, 101.1421



63.4287, 78.2973, 164.8158



101.4057, 78.2973, 71.1208



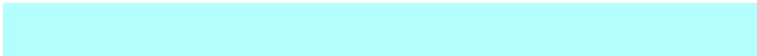
86.6112, 78.2973, 36.5809

# Sweetspot

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



52.7045, 78.2979, 101.1436



71.9487, 88.1297, 106.0636



35.8677, 71.5755, 11.9272



14.8805, 18.5967, 22.6252



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.



52.7045, 78.2979, 101.1436



52.7032, 78.2973, 101.1419



26.8600, 24.8386, 97.9864



18.5321, 20.4724, 23.1048



27.5483, 40.9159, 52.8999



2.6888, 3.9865, 5.1852



# Inverse Universe

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



41.2796, 21.2771, 2.1343



41.2784, 21.2753, 2.1320



47.8419, 34.4632, 4.1327



18.0296, 17.9951, 18.7730



21.5776, 11.1203, 1.1599

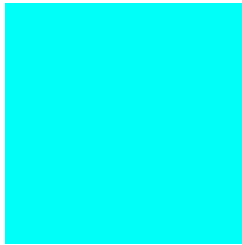


2.1077, 1.0855, 0.1487



# Previews

## White Background



This preview shows how the XYZ color 52.7033, 78.2973, 101.1421 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

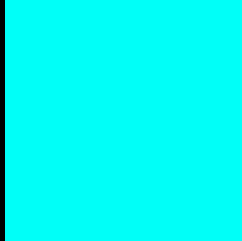
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.7033, 78.2973, 101.1421 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

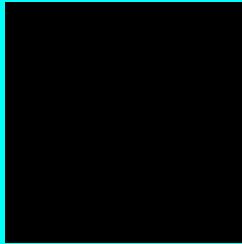
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 52.7033, 78.2973, 101.1421

## Background



This preview shows how black text looks on a background with the XYZ color 52.7033, 78.2973, 101.1421.



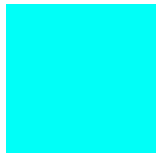
This preview shows how white text looks on a background with the XYZ color 52.7033, 78.2973,



# Color Blindness Simulation

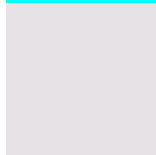
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



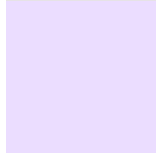
### Original Color

52.7033, 78.2973, 101.1421



### Protanopia

74.1124, 76.9289, 85.8055



### Deuteranopia

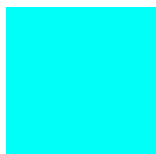
78.1674, 76.5951, 105.2722



## Tritanopia

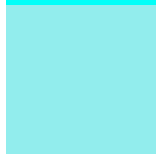
63.1286, 77.5943, 106.2577

# Trichromacy



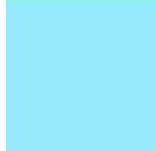
## Original Color

52.7033, 78.2973, 101.1421



## Protanomaly

57.4243, 72.7938, 91.1448



## Deuteranomaly

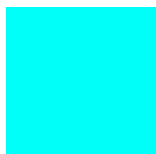
59.2873, 71.7901, 102.8276



## Tritanomaly

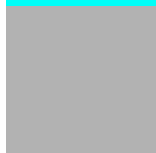
55.8685, 76.1465, 103.8486

# Monochromacy



## Original Color

52.7033, 78.2973, 101.1421



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

39.6609, 51.9651, 64.4398

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7033, 78.2973, 101.1421 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7033, 78.2973, 101.1421 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, 248) }
```



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

```
.border{ border-color:rgb(0, 255, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7033, 78.2973, 101.1421 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, 248) }
```

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

```
.background{ background-color: rgb(0, 255,  
248) }
```

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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