

# Converting Colors

XYZ(42.9890, 78.0947,  
102.9597)

Have a look what the booklet for  
XYZ(42.9890, 78.0947, 102.9597)  
contains.

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# Color

**XYZ(53.0153, 78.4221,  
102.7853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FFFA
RGB	0, 255, 250
RGB Percent	0%, 100%, 98%
CMY	0.9997, 0.0000, 0.0196
CMYK	1.00, 0.00, 0.02, 0.00
HSL	179°, 100%, 50%
HSV	179°, 100%, 100%
XYZ	53.0153, 78.4221, 102.7853
YIQ	178.1850, -150.3750, -55.6150

# Conversions

## Conversions Part 2

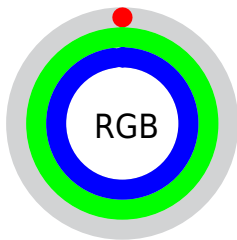
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 129, 255
Decimal	65530
CIELab	90.97, -49.50, -11.76
CIELCh	91, 50.881, 193.363
Yxy	78.4221, 0.2263, 0.3348
Android (android.graphics.Color)	4278255610 (0xFF00FFFA)
YUV	178.1850, 35.4048, -156.2682
Hunter-Lab	88.5563, -48.1122, -6.8272

# Details

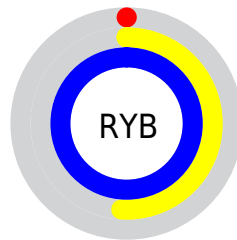
The XYZ color **53.0153, 78.4221, 102.7853** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.2686, 21.2727, 2.0765**, and the grayscale version is **42.3014, 44.5044, 48.4653**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **29.7039, 43.8275, 57.9329** is the 20% darker color. If you saturate the color by 10%, you get **53.0154, 78.4222, 102.7856**, and if you desaturate by 10%, it is **53.5093, 78.6677, 103.2197**.

# Distribution



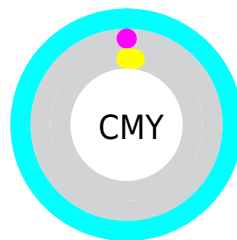
- Red (0%)
- Green (100%)
- Blue (98%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0153, 78.4221, 102.7853 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 53.0153, 78.4221, 102.7853 by changing the saturation by 10% instead.





 53.0153, 78.4221,  
102.7853


 53.0153, 78.4221,  
102.7853


388.6037,  
489.5991, 590.4089


 38.0425, 58.4208,  
77.9989


 93.7923, 131.1450,  
167.0647


 26.1930, 42.1470,  
57.5566


 120.3272,  
164.6353, 207.3948

 17.1016, 29.2164,  
41.0400


 151.4468,  
203.3908, 253.7433

 10.4027, 19.2446,  
28.0304

 187.5166,  
247.7959, 306.5285

 5.7311, 11.8472,  
18.1093

228.9018,  
298.2348, 366.1692

 2.7213, 6.6397,  
10.8582

275.9678,

 1.0082, 3.2378,

355.0921, 433.0838

5.8586

329.0800,  
418.7521, 507.6909

■ 0.0000, 1.2571,  
2.6919

■ 0.0000, 0.1076,  
0.9394

■ 53.0153, 78.4221,  
102.7853

■ 53.0153, 78.4221,  
102.7853

■ 53.0154, 78.4222,  
102.7856

■ 53.5093, 78.6677,  
103.2197

■ 54.5417, 79.1908,  
103.6789

■ 56.2779, 80.0767,  
104.1722

■ 58.8186, 81.3774,  
104.7042

■ 62.2481, 83.1362,  
105.2788

■ 66.6403, 85.3912,  
105.8997

■ 72.0612, 88.1766,  
106.5697

■ 78.5711, 91.5234,  
107.2918

■ 86.2257, 95.4602,  
108.0686

# Harmonies

## Analogous

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



53.3066, 78.4221, 66.7111



53.0153, 78.4221, 102.7853



57.9988, 78.4221, 143.6837

# Triad

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



53.0153, 78.4221, 102.7853



92.7970, 78.4221, 147.7605



81.8283, 78.4221, 33.9977

# Complementary

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



53.0153, 78.4221, 102.7853



41.2686, 21.2727, 2.0765

# 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.



93.9555, 78.4221, 45.4759



53.0153, 78.4221, 102.7853



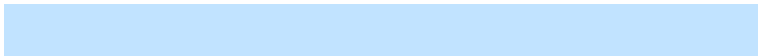
100.7688, 78.4221, 107.2618

# Square

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



53.0153, 78.4221, 102.7853



80.3877, 78.4221, 174.2511



101.2155, 78.4221, 70.0742



68.9789, 78.4221, 33.4353



# Rectangle

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



53.0153, 78.4221, 102.7853



64.0131, 78.4221, 165.4159



101.2155, 78.4221, 70.0742



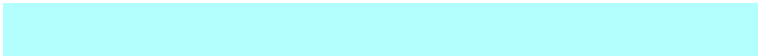
86.1573, 78.4221, 36.5157

# Sweetspot

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



53.0165, 78.4227, 102.7868



72.0445, 88.1680, 106.5678



35.8677, 71.5755, 11.9271



14.9038, 18.6061, 22.7481



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.



53.0165, 78.4227, 102.7868



53.0154, 78.4222, 102.7856



26.8598, 24.8382, 97.9863



18.5386, 20.4750, 23.1392



27.7087, 40.9801, 53.7446



2.7026, 3.9920, 5.2578



# Inverse Universe

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



41.2686, 21.2727, 2.0765



41.2674, 21.2710, 2.0742



47.8418, 34.4629, 4.1325



18.0238, 17.9928, 18.7427



21.5693, 11.1170, 1.1166

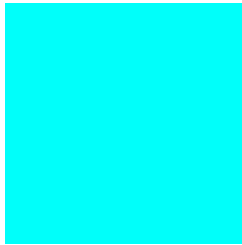


2.1050, 1.0844, 0.1343



# Previews

## White Background



This preview shows how the XYZ color 53.0153, 78.4221, 102.7853 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

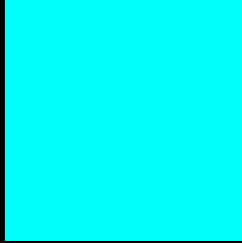
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.0153, 78.4221, 102.7853 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 53.0153, 78.4221, 102.7853

## Background



This preview shows how black text looks on a background with the XYZ color 53.0153, 78.4221, 102.7853.



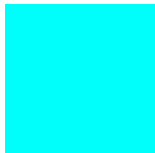
This preview shows how white text looks on a background with the XYZ color 53.0153, 78.4221,



# Color Blindness Simulation

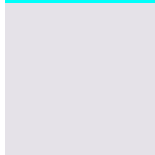
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

53.0153, 78.4221, 102.7853



### Protanopia

74.0749, 76.8769, 87.2785



### Deuteranopia

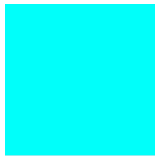
78.1030, 76.9550, 105.3451



## Tritanopia

63.1286, 77.5943, 106.2577

# Trichromacy



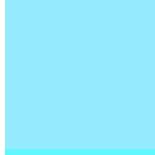
## Original Color

53.0153, 78.4221, 102.7853



## Protanomaly

57.7182, 72.9114, 92.6926



## Deuteranomaly

59.5469, 72.3270, 103.7506



## Tritanomaly

56.0274, 76.2100, 104.6856

# Monochromacy



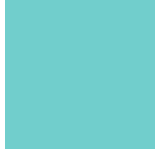
## Original Color

53.0153, 78.4221, 102.7853



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

39.7804, 52.0130, 65.0696

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.0153, 78.4221, 102.7853 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 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, 255, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 53.0153, 78.4221, 102.7853 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, 250) }
```



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

```
.border{ border-color:rgb(0, 255, 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, 255, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.0153, 78.4221, 102.7853 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, 250) }
```

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

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