

# Converting Colors

XYZ(52.9260, 77.6435,  
104.6055)

Have a look what the booklet for  
XYZ(52.9260, 77.6435, 104.6055)  
contains.

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# Color

**XYZ(53.0125, 77.9119,  
104.3399)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 00FEFC                        |
| RGB         | 0, 254, 252                   |
| RGB Percent | 0%, 100%, 99%                 |
| CMY         | 0.9997, 0.0039, 0.0118        |
| CMYK        | 1.00, 0.00, 0.01, 0.00        |
| HSL         | 180°, 100%, 50%               |
| HSV         | 180°, 100%, 100%              |
| XYZ         | 53.0125, 77.9119, 104.3399    |
| YIQ         | 177.8260, -150.7420, -54.4700 |

# Conversions

## Conversions Part 2

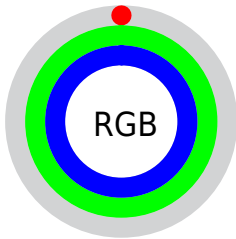
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 0, 128, 254                     |
| Decimal                             | 65276                           |
| CIELab                              | 90.74, -48.51, -13.14           |
| CIELCh                              | 91, 50.258, 195.162             |
| Yxy                                 | 77.9119, 0.2253,<br>0.3312      |
| Android<br>(android.graphics.Color) | 4278255356<br>(0xFF00FEFC)      |
| YUV                                 | 177.8260, 36.5678,<br>-155.9534 |
| Hunter-Lab                          | 88.2677, -47.2636,<br>-8.2984   |

# Details

The XYZ color **53.0125, 77.9119, 104.3399** 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 **40.8866, 21.0777, 1.9731**, and the grayscale version is **42.1076, 44.3005, 48.2432**.

A 20% lighter version of the original color is **61.6952, 82.8049, 107.3390**, and **29.5903, 43.4200, 58.4511** is the 20% darker color. If you saturate the color by 10%, you get **53.0138, 77.9143, 104.3412**, and if you desaturate by 10%, it is **53.4584, 78.1398, 104.5283**.

# Distribution



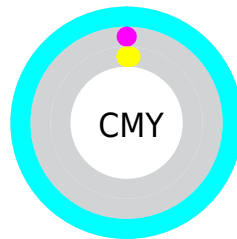
- Red (0%)
- Green (100%)
- Blue (99%)



- Red (0%)
- Yellow (50%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (100%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.0125, 77.9119, 104.3399 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 53.0125, 77.9119, 104.3399 by changing the saturation by 10% instead.





 53.0125, 77.9119,  
104.3399


 53.0125, 77.9119,  
104.3399


388.5932,  
487.8676, 595.3841


 38.0403, 58.0016,  
79.2929

 93.7882, 130.4259,  
169.2122


 26.1913, 41.8099,  
58.6139


 120.3223,  
163.7984, 209.8746

 17.1002, 28.9525,  
41.8844


 151.4412,  
202.4272, 256.5792

 10.4017, 19.0449,  
28.6859

 187.5101,  
246.6965, 309.7445

 5.7304, 11.7027,  
18.5998

228.8944,  
296.9908, 369.7891

 2.7210, 6.5416,  
11.2076

275.9594,

 1.0080, 3.1771,

353.6945, 437.1316

6.0907

329.0705,  
417.1919, 512.1904

■ 0.0000, 1.2249,  
2.8306

■ 0.0000, 0.0819,  
1.0088

■ 53.0125, 77.9119,  
104.3399

■ 53.0125, 77.9119,  
104.3399

■ 53.0138, 77.9143,  
104.3412

■ 53.4584, 78.1398,  
104.5283

■ 54.4364, 78.6403,  
104.7400

■ 56.1117, 79.5003,  
104.9845

■ 58.5840, 80.7711,  
105.2665

61.9368, 82.4959,  
105.5899

66.2433, 84.7122,  
105.9580

71.5688, 87.4540,  
106.3741

77.9732, 90.7518,  
106.8408

85.5113, 94.6342,  
107.3607

# Harmonies

## Analogous

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



52.9841, 77.9119, 68.2498



53.0125, 77.9119, 104.3399



58.2255, 77.9119, 144.2763

# Triad

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



53.0125, 77.9119, 104.3399



92.6287, 77.9119, 143.8814



80.4432, 77.9119, 33.8238

# Complementary

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



53.0125, 77.9119, 104.3399



40.8866, 21.0777, 1.9731

# 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.



92.5163, 77.9119, 44.4769



53.0125, 77.9119, 104.3399



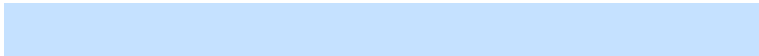
100.0759, 77.9119, 103.9054

# Square

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



53.0125, 77.9119, 104.3399



80.5832, 77.9119, 171.1509



100.0326, 77.9119, 67.9225



67.8854, 77.9119, 33.8788



# Rectangle

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



53.0125, 77.9119, 104.3399



64.3196, 77.9119, 164.8281



100.0326, 77.9119, 67.9225



84.7218, 77.9119, 36.1002

# Sweetspot

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



53.0149, 77.9148, 104.3418



72.1881, 88.2254, 107.3240



35.4973, 70.9139, 11.8190



14.9389, 18.6201, 22.9326



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.



53.0149, 77.9148, 104.3418



53.4880, 78.6112, 105.2742



26.0437, 23.4620, 96.9250



18.5484, 20.4789, 23.1907



27.9515, 41.0772, 55.0231



2.7235, 4.0003, 5.3676



# Inverse Universe

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



40.8866, 21.0777, 1.9731



41.2510, 21.2644, 1.9880



47.9338, 35.1897, 4.2680



18.0152, 17.9894, 18.6974



21.5570, 11.1121, 1.0520

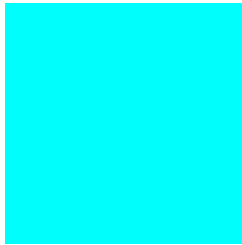


2.1009, 1.0827, 0.1127



# Previews

## White Background



This preview shows how the XYZ color 53.0125, 77.9119, 104.3399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

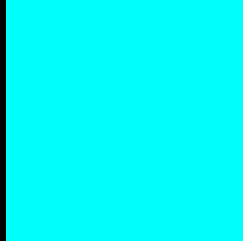
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.0125, 77.9119, 104.3399 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 53.0125, 77.9119, 104.3399

## Background



This preview shows how black text looks on a background with the XYZ color 53.0125, 77.9119, 104.3399.



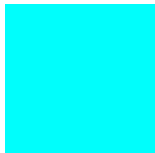
This preview shows how white text looks on a background with the XYZ color 53.0125, 77.9119,



# Color Blindness Simulation

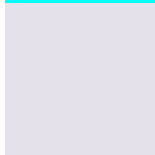
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

53.0125, 77.9119, 104.3399



### Protanopia

73.7714, 76.2849, 88.6782



### Deuteranopia

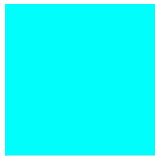
77.4500, 76.6184, 105.3145



## Tritanopia

62.5646, 77.3036, 106.2313

# Trichromacy



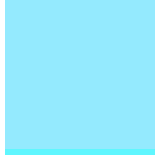
## Original Color

53.0125, 77.9119, 104.3399



## Protanomaly

57.5497, 72.3615, 94.1531



## Deuteranomaly

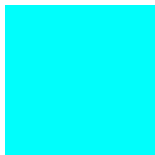
59.5250, 72.2973, 104.5834



## Tritanomaly

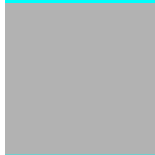
55.6690, 75.5541, 105.4153

# Monochromacy



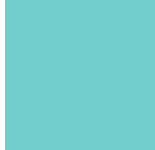
## Original Color

53.0125, 77.9119, 104.3399



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

39.9008, 52.0611, 65.7034

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.0125, 77.9119, 104.3399 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, 254, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 254, 252)  
}
```

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, 254, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 254, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 53.0125, 77.9119, 104.3399 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, 254, 252) }
```



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

```
.border{ border-color:rgb(0, 254, 252) }
```

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

Here you see how a box with a 4 pixel rgb(0, 254, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 254, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 254, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 254,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.0125, 77.9119, 104.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 254, 252) }
```

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

```
.background{ background-color: rgb(0, 254,  
252) }
```

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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