

# Converting Colors

XYZ(54.4754, 79.1639,  
103.3484)

Have a look what the booklet for  
XYZ(54.4754, 79.1639, 103.3484)  
contains.

<b>XYZ(54.5378, 79.1888, 103.6773)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(54.5378, 79.1888,  
103.6773)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FFFB
RGB	51, 255, 251
RGB Percent	20%, 100%, 98%
CMY	0.7999, 0.0000, 0.0157
CMYK	0.80, 0.00, 0.02, 0.00
HSL	179°, 100%, 60%
HSV	179°, 80%, 100%
XYZ	54.5378, 79.1888, 103.6773
YIQ	193.5480, -120.3000, -44.4920

# Conversions

## Conversions Part 2

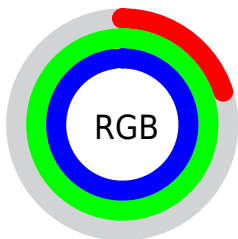
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 154, 255
Decimal	3407867
CIELab	91.32, -47.10, -11.73
CIELCh	91, 48.537, 193.981
Yxy	79.1888, 0.2297, 0.3336
Android (android.graphics.Color)	4281597947 (0xFF33FFFB)
YUV	193.5480, 28.3238, -125.0146
Hunter-Lab	88.9881, -46.3325, -6.7853

# Details

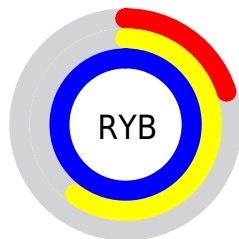
The XYZ color **54.5378, 79.1888, 103.6773** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.1146, 23.9052, 5.9582**, and the grayscale version is **50.9030, 53.5539, 58.3202**.

A 20% lighter version of the original color is **63.6415, 83.8083, 107.4301**, and **29.8166, 43.8726, 58.5265** is the 20% darker color. If you saturate the color by 10%, you get **53.5079, 78.6670, 103.2198**, and if you desaturate by 10%, it is **56.2736, 80.0745, 104.1719**.

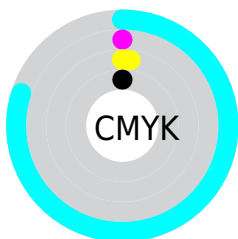
# Distribution



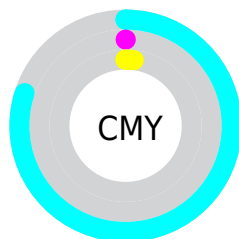
- Red (20%)
- Green (100%)
- Blue (98%)



- Red (20%)
- Yellow (60%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5378, 79.1888, 103.6773 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 54.5378, 79.1888, 103.6773 by changing the saturation by 10% instead.





 54.5378, 79.1888,  
103.6773


 54.5378, 79.1888,  
103.6773


394.3225,  
492.1948, 593.2663


 39.2642, 59.0511,  
78.7412


 96.0157, 132.2246,  
168.2973


 27.1469, 42.6542,  
58.1630


 122.9507,  
165.8915, 208.8183

 17.8208, 29.6139,  
41.5241


 154.5035,  
204.8368, 255.3714

 10.9203, 19.5457,  
28.4061

 191.0395,  
249.4451, 308.3750

 6.0802, 12.0653,  
18.3903

232.9240,  
300.1006, 368.2478

 2.9350, 6.7881,  
11.0582

280.5225,

 1.1195, 3.3300,

357.1878, 435.4082

5.9913

334.2002,  
421.0911, 510.2749

0.0413, 1.3063,  
2.7711

0.0000, 0.1461,  
0.9790

54.5378, 79.1888,  
103.6773

54.5378, 79.1888,  
103.6773

53.5079, 78.6670,  
103.2198

56.2736, 80.0745,  
104.1719

53.0159, 78.4224,  
102.7870

58.8124, 81.3742,  
104.7037

53.0156, 78.4222,  
102.7867

62.2400, 83.1320,  
105.2781

66.6300, 85.3860,  
105.8987

■ 72.0487, 88.1702,  
106.5686

■ 78.5563, 91.5157,  
107.2905

■ 86.2083, 95.4512,  
108.0670

■ 95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



54.7139, 79.1888, 68.8218



54.5378, 79.1888, 103.6773



59.4733, 79.1888, 142.4450

# Triad

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



54.5378, 79.1888, 103.6773



92.9467, 79.1888, 144.8427



81.9956, 79.1888, 36.0668

# Complementary

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



54.5378, 79.1888, 103.6773



43.1146, 23.9052, 5.9582

# 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.



93.6341, 79.1888, 47.1668



54.5378, 79.1888, 103.6773



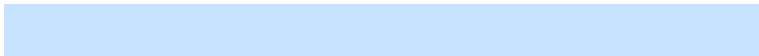
100.4124, 79.1888, 106.3352

# Square

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



54.5378, 79.1888, 103.6773



81.1370, 79.1888, 170.2465



100.6769, 79.1888, 70.8468



69.6864, 79.1888, 35.7187



# Rectangle

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



54.5378, 79.1888, 103.6773



65.3447, 79.1888, 162.7013



100.6769, 79.1888, 70.8468



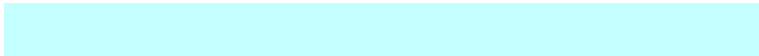
86.1451, 79.1888, 38.4920

# Sweetspot

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



54.5390, 79.1894, 103.6788



75.8143, 90.1059, 106.9948



38.0923, 72.6533, 15.1499



15.7379, 19.0348, 22.8466



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.



54.5390, 79.1894, 103.6788



53.1746, 78.5006, 102.9579



31.9538, 32.9995, 99.2931



18.5386, 20.4750, 23.1392



27.7088, 40.9801, 53.7451



2.7026, 3.9920, 5.2578



# Inverse Universe

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



43.1146, 23.9052, 5.9582



41.4369, 21.5159, 2.4209



52.1492, 42.1216, 8.5158



18.0238, 17.9928, 18.7426



21.5693, 11.1170, 1.1166

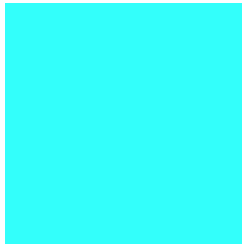


2.1050, 1.0844, 0.1342



# Previews

## White Background



This preview shows how the XYZ color 54.5378, 79.1888, 103.6773 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

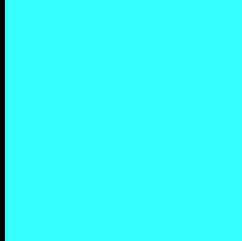
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5378, 79.1888, 103.6773 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 54.5378, 79.1888, 103.6773**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5378, 79.1888, 103.6773.



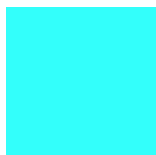
This preview shows how white text looks on a background with the XYZ color 54.5378, 79.1888,



# Color Blindness Simulation

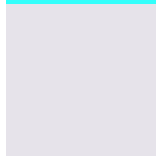
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



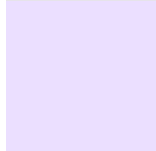
### Original Color

54.5378, 79.1888, 103.6773



### Protanopia

74.9535, 77.7017, 88.8894



### Deuteranopia

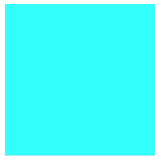
78.6986, 77.6575, 105.4493



## Tritanopia

64.2993, 78.1978, 106.3125

# Trichromacy



## Original Color

54.5378, 79.1888, 103.6773



## Protanomaly

61.5294, 74.8590, 93.6444



## Deuteranomaly

63.7462, 74.8972, 104.8628



## Tritanomaly

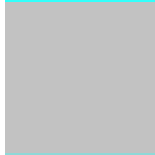
58.8959, 77.6704, 105.6537

# Monochromacy



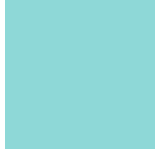
## Original Color

54.5378, 79.1888, 103.6773



## Achromatopsia

51.2775, 53.9479, 58.7493



## Achromatomaly

47.9769, 59.7688, 73.2979

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5378, 79.1888, 103.6773 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(51, 255, 251)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 251)  
}
```

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(51, 255, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5378, 79.1888, 103.6773 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(51, 255, 251) }
```



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

```
.border{ border-color:rgb(51, 255, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5378, 79.1888, 103.6773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 251) }
```

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

```
.background{ background-color: rgb(51, 255,  
251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor