

# Converting Colors

XYZ(54.6413, 79.2302,  
104.2228)

Have a look what the booklet for  
XYZ(54.6413, 79.2302, 104.2228)  
contains.

<b>XYZ(54.6959, 79.2521, 104.5099)</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(54.6959, 79.2521,  
104.5099)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33FFFC
RGB	51, 255, 252
RGB Percent	20%, 100%, 99%
CMY	0.7999, 0.0000, 0.0118
CMYK	0.80, 0.00, 0.01, 0.00
HSL	179°, 100%, 60%
HSV	179°, 80%, 100%
XYZ	54.6959, 79.2521, 104.5099
YIQ	193.6620, -120.6210, -44.1810

# Conversions

## Conversions Part 2

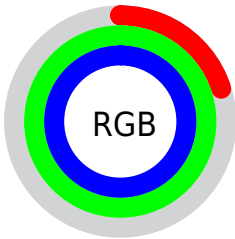
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 154, 255
Decimal	3407868
CIELab	91.35, -46.82, -12.20
CIELCh	91, 48.385, 194.608
Yxy	79.2521, 0.2294, 0.3324
Android (android.graphics.Color)	4281597948 (0xFF33FFFC)
YUV	193.6620, 28.7606, -125.1146
Hunter-Lab	89.0236, -46.1214, -7.2873

# Details

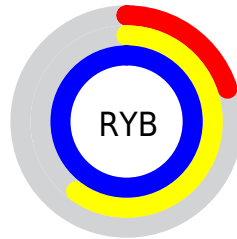
The XYZ color **54.6959, 79.2521, 104.5099** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **43.0908, 23.8956, 5.8331**, and the grayscale version is **50.9677, 53.6220, 58.3943**.

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 **53.6854, 78.7380, 104.1543**, and if you desaturate by 10%, it is **56.4122, 80.1299, 104.9021**.

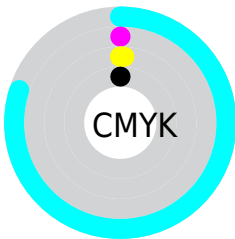
# Distribution



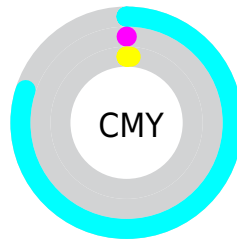
- Red (20%)
- Green (100%)
- Blue (99%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6959, 79.2521, 104.5099 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 54.6959, 79.2521, 104.5099 by changing the saturation by 10% instead.





 54.6959, 79.2521,  
104.5099


 54.6959, 79.2521,  
104.5099


394.9133,  
492.4088, 595.9268


 39.3912, 59.1031,  
79.4345


 96.2462, 132.3137,  
169.4469


 27.2463, 42.6961,  
58.7297


 123.2225,  
165.9951, 210.1455

 17.8958, 29.6468,  
41.9770


 154.8200,  
204.9561, 256.8889

 10.9744, 19.5706,  
28.7578

 191.4040,  
249.5811, 310.0956

 6.1168, 12.0833,  
18.6537

233.3401,  
300.2545, 370.1842

 2.9576, 6.8004,  
11.2460

280.9934,

 1.1314, 3.3376,

357.3606, 437.5733

6.1163

334.7294,  
421.2839, 512.6813

■ 0.0511, 1.3104,  
2.8460

■ 0.0000, 0.1493,  
1.0166

■ 54.6959, 79.2521,  
104.5099

■ 54.6959, 79.2521,  
104.5099

■ 53.6854, 78.7380,  
104.1543

■ 56.4122, 80.1299,  
104.9021

■ 53.2126, 78.5011,  
103.8230

■ 58.9315, 81.4218,  
105.3310

■ 53.2123, 78.5009,  
103.8227

■ 62.3394, 83.1717,  
105.8021

■ 66.7097, 85.4178,  
106.3188

■ 72.1085, 88.1941,  
106.8843

■ 78.5961, 91.5316,  
107.5014

■ 86.2281, 95.4591,  
108.1727

■ 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.



54.7636, 79.2521, 69.5466



54.6959, 79.2521, 104.5099



59.7248, 79.2521, 143.0762

# Triad

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



54.6959, 79.2521, 104.5099



93.1696, 79.2521, 143.9962



81.7746, 79.2521, 36.1075

# Complementary

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



54.6959, 79.2521, 104.5099



43.0908, 23.8956, 5.8331

# 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.



93.4335, 79.2521, 46.9577



54.6959, 79.2521, 104.5099



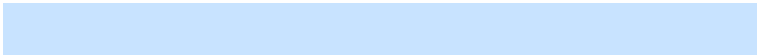
100.4838, 79.2521, 105.5303

# Square

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



54.6959, 79.2521, 104.5099



81.4449, 79.2521, 169.7441



100.5853, 79.2521, 70.3248



69.5229, 79.2521, 35.9734



# Rectangle

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



54.6959, 79.2521, 104.5099



65.6412, 79.2521, 163.0055



100.5853, 79.2521, 70.3248



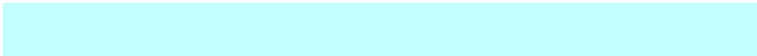
85.9210, 79.2521, 38.4562

# Sweetspot

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



54.6971, 79.2526, 104.5114



75.8623, 90.1251, 107.2478



37.9017, 72.5550, 15.1408



15.7497, 19.0395, 22.9087



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.



54.6971, 79.2526, 104.5114



53.3637, 78.5762, 103.9534



31.3732, 31.8384, 99.0996



18.5427, 20.4766, 23.1607



27.8099, 41.0205, 54.2774



2.7113, 3.9955, 5.3036



# Inverse Universe

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



43.0908, 23.8956, 5.8331



41.4286, 21.5126, 2.3771



52.6819, 43.1872, 8.6933



18.0202, 17.9914, 18.7237



21.5642, 11.1150, 1.0896

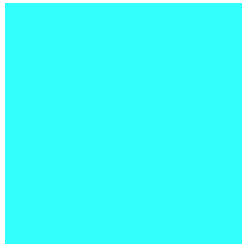


2.1033, 1.0837, 0.1252



# Previews

## White Background



This preview shows how the XYZ color 54.6959, 79.2521, 104.5099 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

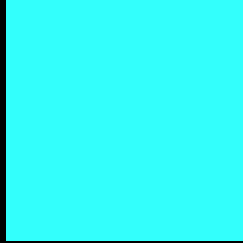
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.6959, 79.2521, 104.5099 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

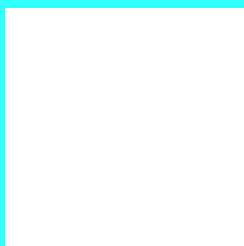
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 54.6959, 79.2521, 104.5099

## Background



This preview shows how black text looks on a background with the XYZ color 54.6959, 79.2521, 104.5099.



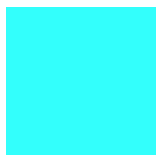
This preview shows how white text looks on a background with the XYZ color 54.6959, 79.2521,



# Color Blindness Simulation

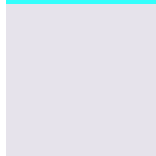
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



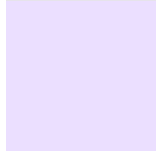
### Original Color

54.6959, 79.2521, 104.5099



### Protanopia

75.0976, 77.7593, 89.6482



### Deuteranopia

78.6986, 77.6575, 105.4493



## Tritanopia

64.2993, 78.1978, 106.3125

# Trichromacy



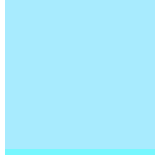
## Original Color

54.6959, 79.2521, 104.5099



## Protanomaly

61.6784, 74.9186, 94.4290



## Deuteranomaly

63.7462, 74.8972, 104.8628



## Tritanomaly

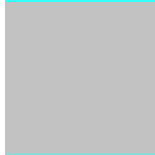
58.8959, 77.6704, 105.6537

# Monochromacy



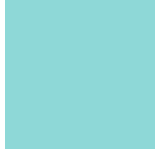
## Original Color

54.6959, 79.2521, 104.5099



## 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 54.6959, 79.2521, 104.5099 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, 252)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 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(51, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 54.6959, 79.2521, 104.5099 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, 252) }
```



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

```
.border{ border-color:rgb(51, 255, 252) }
```

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, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.6959, 79.2521, 104.5099 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, 252) }
```

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

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