

# Converting Colors

XYZ(51.1108, 75.8063, 93.9679)

Have a look what the booklet for  
XYZ(51.1108, 75.8063, 93.9679)  
contains.

<b>XYZ(50.9916, 75.6978, 93.5849)</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(50.9916, 75.6978,  
93.5849)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29FB EF
RGB	41, 251, 239
RGB Percent	16%, 98%, 94%
CMY	0.8391, 0.0157, 0.0627
CMYK	0.84, 0.00, 0.05, 0.02
HSL	177°, 96%, 57%
HSV	177°, 84%, 98%
XYZ	50.9916, 75.6978, 93.5849
YIQ	186.8420, -121.3080, -48.2520

# Conversions

## Conversions Part 2

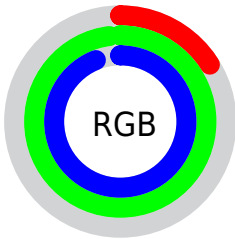
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 149, 251
Decimal	2751471
CIELab	89.72, -49.41, -7.88
CIELCh	90, 50.031, 189.065
Yxy	75.6978, 0.2315, 0.3437
Android (android.graphics.Color)	4280941551 (0xFF29FB EF)
YUV	186.8420, 25.7139, -127.9034
Hunter-Lab	87.0045, -47.6425, -2.8711

# Details

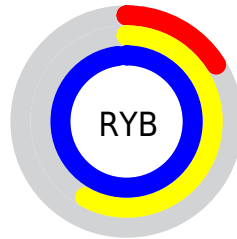
The XYZ color **50.9916, 75.6978, 93.5849** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.2218, 22.3544, 5.5130**, and the grayscale version is **47.0579, 49.5086, 53.9149**.

A 20% lighter version of the original color is **62.7121, 83.3292, 107.3866**, and **27.8390, 42.0025, 51.4398** is the 20% darker color. If you saturate the color by 10%, you get **50.0797, 75.2538, 92.4418**, and if you desaturate by 10%, it is **52.5463, 76.4764, 94.7703**.

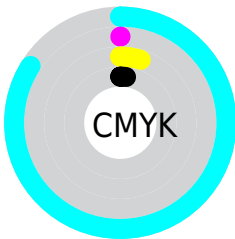
# Distribution



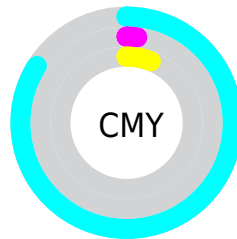
- Red (16%)
- Green (98%)
- Blue (94%)



- Red (16%)
- Yellow (58%)
- Blue (98%)



- Cyan (84%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)




- Cyan (84%)
- Magenta (2%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9916, 75.6978, 93.5849 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 50.9916, 75.6978, 93.5849 by changing the saturation by 10% instead.





 50.9916, 75.6978,  
93.5849


 50.9916, 75.6978,  
93.5849


380.9193,  
480.3126, 560.4929


 36.4229, 56.1847,  
70.3674


 90.8254, 127.2996,  
154.2868

 24.9326, 40.3511,  
51.3474


 116.8213,  
160.1572, 192.6083

 16.1553, 27.8124,  
36.1065


 147.3569,  
198.2317, 236.8016

 9.7257, 18.1843,  
24.2262

 182.7977,  
241.9076, 287.2851

 5.2783, 11.0824,  
15.2877

223.5090,  
291.5693, 344.4775

 2.4479, 6.1223,  
8.8727

269.8561,

 0.8691, 2.9196,

347.6010, 408.7972

4.5626

322.2045,  
410.3873, 480.6628

■ 0.0000, 1.0899,  
1.9388

■ 0.0000, 0.0000,  
0.5172

■ 50.9916, 75.6978,  
93.5849

■ 50.9916, 75.6978,  
93.5849

■ 50.0797, 75.2538,  
92.4418


■ 52.5463, 76.4764,  
94.7703


■ 49.7344, 75.0911,  
91.7311


■ 54.8422, 77.6352,  
95.9975


■ 57.9674, 79.2213,  
97.2723


■ 61.9964, 81.2732,  
98.5983

 66.9953, 83.8248,  
99.9785

 73.0238, 86.9070,  
101.4158

 80.1370, 90.5483,  
102.9127

 88.3860, 94.7748,  
104.4717

 93.2954, 97.2795,  
105.8834

# Harmonies

## Analogous

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



52.0065, 75.6978, 60.4721



50.9916, 75.6978, 93.5849



55.0722, 75.6978, 133.0202

# Triad

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



50.9916, 75.6978, 93.5849



87.9407, 75.6978, 147.1474



80.7526, 75.6978, 33.8939

# Complementary

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



50.9916, 75.6978, 93.5849



41.2218, 22.3544, 5.5130

# 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.



91.9619, 75.6978, 46.6217



50.9916, 75.6978, 93.5849



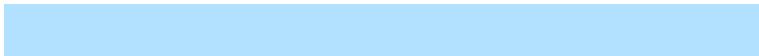
96.4300, 75.6978, 109.1287

# Square

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



50.9916, 75.6978, 93.5849



75.7474, 75.6978, 169.2537



97.9801, 75.6978, 72.1841



68.2788, 75.6978, 31.9245



# Rectangle

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



50.9916, 75.6978, 93.5849



60.4406, 75.6978, 155.4208



97.9801, 75.6978, 72.1841



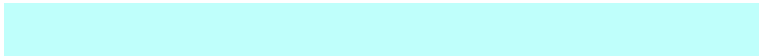
84.8315, 75.6978, 36.8364

# Sweetspot

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



50.9938, 75.7007, 93.5867



74.7776, 89.6163, 104.9180



36.4755, 69.9697, 13.6827



15.5197, 18.9332, 22.3438



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.



50.9938, 75.7007, 93.5867



51.5514, 77.8366, 95.0763



30.9011, 32.5824, 95.9303



17.7205, 19.5905, 21.9944



26.1604, 39.4772, 48.3155



2.4356, 3.6613, 4.5417



# Inverse Universe

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



41.2218, 22.3544, 5.5130



41.3232, 21.2933, 2.3683



48.4386, 37.1762, 6.7223



17.2848, 17.2413, 18.0897



20.9711, 10.8042, 1.2902

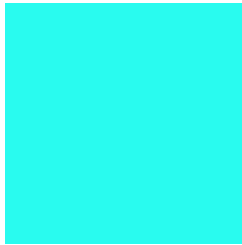


1.9560, 1.0061, 0.1916



# Previews

## White Background



This preview shows how the XYZ color 50.9916, 75.6978, 93.5849 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

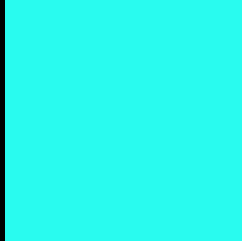
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.9916, 75.6978, 93.5849 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

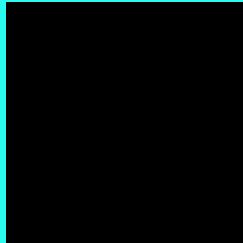
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 50.9916, 75.6978, 93.5849

## Background



This preview shows how black text looks on a background with the XYZ color 50.9916, 75.6978, 93.5849.



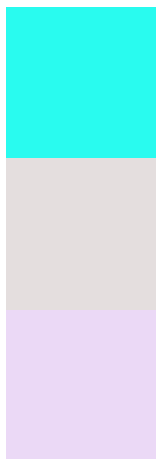
This preview shows how white text looks on a background with the XYZ color 50.9916, 75.6978,



# 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

50.9916, 75.6978, 93.5849

### Protanopia

71.3010, 74.0105, 79.6347

### Deuteranopia

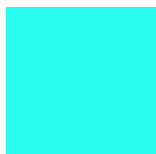
75.7084, 73.9417, 97.4707



## Tritanopia

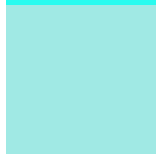
59.6913, 74.9434, 105.9272

# Trichromacy



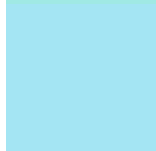
## Original Color

50.9916, 75.6978, 93.5849



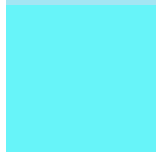
## Protanomaly

57.6397, 71.3528, 84.1333



## Deuteranomaly

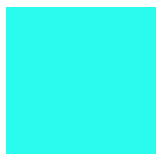
59.5068, 70.4022, 95.2467



## Tritanomaly

55.0431, 74.4245, 101.0868

# Monochromacy



## Original Color

50.9916, 75.6978, 93.5849



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

44.0187, 55.6178, 66.8078

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9916, 75.6978, 93.5849 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(41, 251, 239)` looks like.

```
.text, #text, p{  
    color:rgb(41, 251, 239)  
}
```

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(41, 251, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 251, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9916, 75.6978, 93.5849 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(41, 251, 239) }
```



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

```
.border{ border-color:rgb(41, 251, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 251, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 251, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 251, 239);  
box-shadow:4px 4px 4px 4px rgb(41, 251,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9916, 75.6978, 93.5849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 251, 239) }
```

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

```
.background{ background-color: rgb(41, 251,  
239) }
```

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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