

# Converting Colors

XYZ(41.3724, 59.3826, 79.2285)

Have a look what the booklet for  
XYZ(41.3724, 59.3826, 79.2285)  
contains.

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# Color

**XYZ(41.3402, 59.3428,  
79.0875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33E0DF
RGB	51, 224, 223
RGB Percent	20%, 88%, 87%
CMY	0.7999, 0.1216, 0.1255
CMYK	0.77, 0.00, 0.00, 0.12
HSL	180°, 74%, 54%
HSV	180°, 77%, 88%
XYZ	41.3402, 59.3428, 79.0875
YIQ	172.1590, -102.7870, -36.9870

# Conversions

## Conversions Part 2

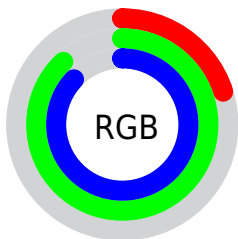
Format	Color
<a href="#">RYB</a>	51, 138, 224
Decimal	3399903
CIELab	81.48, -41.34, -11.71
CIELCh	81, 42.965, 195.821
Yxy	59.3428, 0.2300, 0.3301
Android (android.graphics.Color)	4281589983 (0xFF33E0DF)
YUV	172.1590, 25.0646, -106.2564
Hunter-Lab	77.0343, -39.0185, -6.9463

# Details

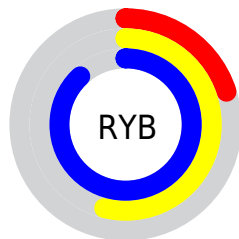
The XYZ color **41.3402, 59.3428, 79.0875** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **32.5461, 18.4648, 5.0994**, and the grayscale version is **39.2104, 41.2524, 44.9238**.

A 20% lighter version of the original color is **62.5624, 83.2520, 107.3796**, and **21.0705, 30.8324, 41.8865** is the 20% darker color. If you saturate the color by 10%, you get **40.4544, 58.8895, 78.9561**, and if you desaturate by 10%, it is **42.7727, 60.0806, 79.2472**.

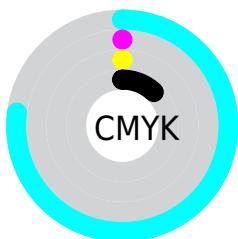
# Distribution



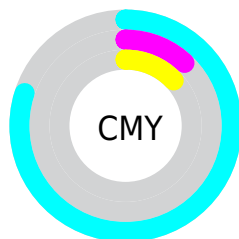
- Red (20%)
- Green (88%)
- Blue (87%)



- Red (20%)
- Yellow (54%)
- Blue (88%)



- Cyan (77%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (80%)
- Magenta (12%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3402, 59.3428, 79.0875 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 41.3402, 59.3428, 79.0875 by changing the saturation by 10% instead.



41.3402, 59.3428,  
79.0875

41.3402, 59.3428,  
79.0875

342.7788,  
422.1711, 511.4777

28.7738, 42.8891,  
58.4460

76.4715, 103.8757,  
133.8818

19.0532, 29.7981,  
41.7502

99.7672, 132.7238,  
168.8717

11.8130, 19.6854,  
28.5817

127.3700,  
166.4721, 209.4815

6.6878, 12.1666,  
18.5217

159.6453,  
205.5050, 256.1298

3.3122, 6.8572,  
11.1519

196.9585,  
250.2070, 309.2349

1.3209, 3.3730,  
6.0537

239.6749,

0.1988, 1.3294,

300.9624, 369.2156

2.8084

288.1599,  
358.1556, 436.4904

■ 0.0000, 0.1638,  
0.9977

■ 0.0000, 0.0000,  
0.0000

■ 41.3402, 59.3428,  
79.0875

■ 41.3402, 59.3428,  
79.0875

■ 40.4544, 58.8895,  
78.9561

■ 42.7727, 60.0806,  
79.2472

■ 40.0188, 58.6669,  
78.8445

■ 44.8155, 61.1316,  
79.4342

■ 39.9362, 58.6249,  
78.8154

■ 47.5291, 62.5285,  
79.6527

■ 50.9654, 64.2980,  
79.9050

■ 55.1712, 66.4641,  
80.1935

■ 60.1895, 69.0491,  
80.5200

■ 66.0598, 72.0733,  
80.8865

■ 72.8193, 75.5559,  
81.2946

■ 80.5029, 79.5150,  
81.7461

# Harmonies

## Analogous

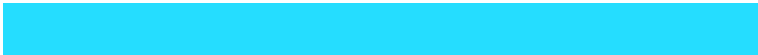
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.2360, 59.3428, 53.2198



41.3402, 59.3428, 79.0875



45.1840, 59.3428, 107.0663

# Triad

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



41.3402, 59.3428, 79.0875



69.7448, 59.3428, 105.6669



60.7491, 59.3428, 27.4939

# Complementary

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



41.3402, 59.3428, 79.0875



32.5461, 18.4648, 5.0994

# 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.



69.3418, 59.3428, 35.1931



41.3402, 59.3428, 79.0875



74.8974, 59.3428, 77.5289

# Square

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



41.3402, 59.3428, 79.0875



61.2535, 59.3428, 124.9793



74.7426, 59.3428, 52.0241



51.8166, 59.3428, 27.7023



# Rectangle

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



41.3402, 59.3428, 79.0875



49.6091, 59.3428, 121.1834



74.7426, 59.3428, 52.0241



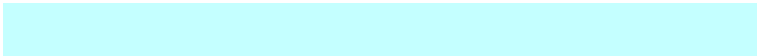
63.7917, 59.3428, 29.1307

# Sweetspot

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



41.3420, 59.3450, 79.0889



76.6115, 90.5009, 107.7519



28.7702, 54.3336, 12.1048



15.8977, 19.1132, 23.0304



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.



41.3420, 59.3450, 79.0889



53.8363, 78.7790, 105.8213



24.2564, 24.9571, 74.0621



14.1130, 15.5709, 17.6303



23.2466, 34.1235, 45.8833



1.6125, 2.3657, 3.1863



# Inverse Universe

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



32.5461, 18.4648, 5.0994



41.5733, 21.7355, 2.6304



39.9512, 33.3107, 7.4576



13.7105, 13.7018, 14.2456



17.8988, 9.2265, 0.8668

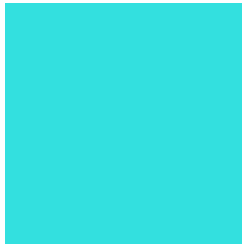


1.2418, 0.6400, 0.0661



# Previews

## White Background



This preview shows how the XYZ color 41.3402, 59.3428, 79.0875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

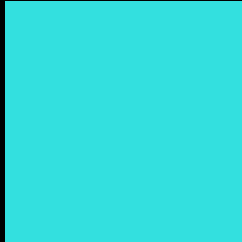
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.3402, 59.3428, 79.0875 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

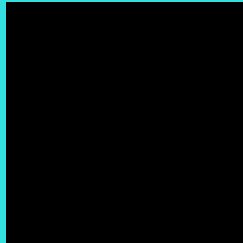
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

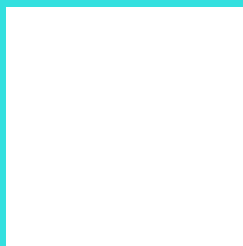
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.3402, 59.3428, 79.0875**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.3402, 59.3428, 79.0875.



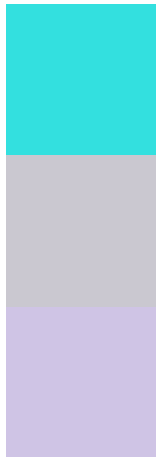
This preview shows how white text looks on a background with the XYZ color 41.3402, 59.3428,



# 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

41.3402, 59.3428, 79.0875

### Protanopia

56.3966, 58.4192, 67.9781

### Deuteranopia

59.6149, 58.4024, 82.2595



## Tritanopia

43.5508, 59.0349, 90.7609

# Trichromacy



## Original Color

41.3402, 59.3428, 79.0875



## Protanomaly

46.8433, 56.6081, 71.4083



## Deuteranomaly

48.5141, 56.1727, 80.9585



## Tritanomaly

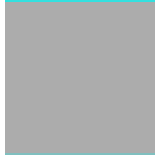
42.6329, 59.0556, 86.2427

# Monochromacy



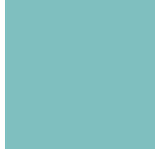
## Original Color

41.3402, 59.3428, 79.0875



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

36.9369, 45.6124, 56.1475

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.3402, 59.3428, 79.0875 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, 224, 223)` looks like.

```
.text, #text, p{  
    color:rgb(51, 224, 223)  
}
```

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, 224, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 224, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 41.3402, 59.3428, 79.0875 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, 224, 223) }
```



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

```
.border{ border-color:rgb(51, 224, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 224, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 224, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 224, 223);  
box-shadow:4px 4px 4px 4px rgb(51, 224,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.3402, 59.3428, 79.0875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 224, 223) }
```

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

```
.background{ background-color: rgb(51, 224,  
223) }
```

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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