

# Converting Colors

XYZ(39.4940, 59.7262, 72.5460)

Have a look what the booklet for  
XYZ(39.4940, 59.7262, 72.5460)  
contains.

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# Color

**XYZ(39.4793, 59.7423,  
72.4014)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E3D5
RGB	0, 227, 213
RGB Percent	0%, 89%, 84%
CMY	0.9998, 0.1098, 0.1647
CMYK	1.00, 0.00, 0.06, 0.11
HSL	176°, 100%, 45%
HSV	176°, 100%, 89%
XYZ	39.4793, 59.7423, 72.4014
YIQ	157.5310, -130.7980, -52.4780

# Conversions

## Conversions Part 2

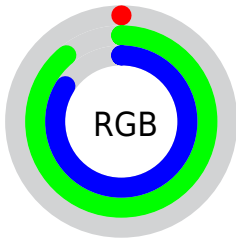
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 117, 227
Decimal	58325
CIELab	81.70, -48.05, -6.12
CIELCh	82, 48.439, 187.260
Yxy	59.7423, 0.2300, 0.3481
Android (android.graphics.Color)	4278248405 (0xFF00E3D5)
YUV	157.5310, 27.3462, -138.1547
Hunter-Lab	77.2931, -44.0899, -1.4324

# Details

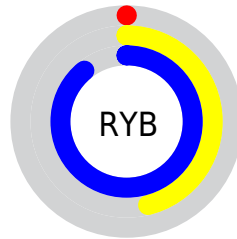
The XYZ color **39.4793, 59.7423, 72.4014** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **31.7598, 16.3643, 1.9019**, and the grayscale version is **32.2169, 33.8947, 36.9113**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **20.7345, 31.5944, 37.3533** is the 20% darker color. If you saturate the color by 10%, you get **39.4801, 59.7441, 72.4009**, and if you desaturate by 10%, it is **40.0066, 59.9949, 73.3595**.

# Distribution



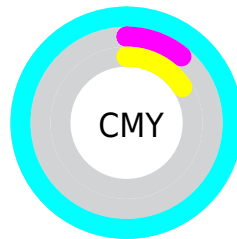
- Red (0%)
- Green (89%)
- Blue (84%)



- Red (0%)
- Yellow (46%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4793, 59.7423, 72.4014 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 39.4793, 59.7423, 72.4014 by changing the saturation by 10% instead.




 39.4793, 59.7423,  
72.4014


 39.4793, 59.7423,  
72.4014


335.0962,  
423.6472, 487.9526


 27.3152, 43.2110,  
52.9978


 73.6593, 104.4558,  
124.3401

 17.9479, 30.0507,  
37.4133


 96.4060, 133.4066,  
157.7122


 11.0120, 19.8771,  
25.2294

 123.4109,  
167.2662, 196.5776

 6.1423, 12.3057,  
16.0274

 155.0394,  
206.4187, 241.3549

 2.9733, 6.9522,  
9.3890

 191.6568,  
251.2487, 292.4624

 1.1396, 3.4322,  
4.8955

233.6285,

 0.0579, 1.3613,

302.1406, 350.3189

2.1284

281.3198,  
359.4786, 415.3427

■ 0.0000, 0.1880,  
0.6326

■ 0.0000, 0.0000,  
0.0000

■ 39.4793, 59.7423,  
72.4014

■ 39.4793, 59.7423,  
72.4014

■ 39.4801, 59.7441,  
72.4009

■ 40.0066, 59.9949,  
73.3595

■ 40.9412, 60.4558,  
74.3433

■ 42.4151, 61.1947,  
75.3604

■ 44.5035, 62.2501,  
76.4144

■ 47.2697, 63.6548,  
77.5081

■ 50.7689, 65.4372,  
78.6443

■ 55.0510, 67.6230,  
79.8253

■ 60.1612, 70.2355,  
81.0531

■ 66.1413, 73.2963,  
82.3299

# Harmonies

## Analogous

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



40.5611, 59.7423, 45.6787



39.4793, 59.7423, 72.4014



42.5721, 59.7423, 105.2826

# Triad

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



39.4793, 59.7423, 72.4014



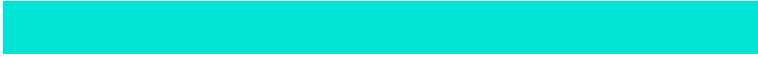
69.4917, 59.7423, 120.7152



64.6994, 59.7423, 25.8066

# Complementary

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



39.4793, 59.7423, 72.4014



31.7598, 16.3643, 1.9019

# 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.



73.8499, 59.7423, 36.6459



39.4793, 59.7423, 72.4014



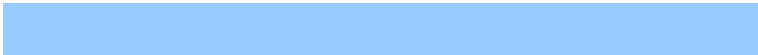
76.8396, 59.7423, 89.2423

# Square

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



39.4793, 59.7423, 72.4014



59.2955, 59.7423, 138.1063



78.5230, 59.7423, 58.2124

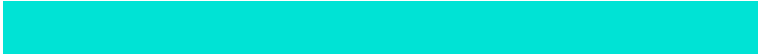


54.3430, 59.7423, 23.7514



# Rectangle

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



39.4793, 59.7423, 72.4014



46.8315, 59.7423, 124.5889



78.5230, 59.7423, 58.2124



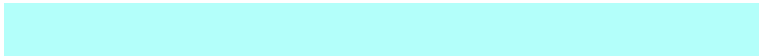
68.0536, 59.7423, 28.3438

# Sweetspot

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



39.4811, 59.7445, 72.4028



71.5344, 87.9640, 103.8817



27.6702, 55.0432, 9.1674



14.7796, 18.5564, 22.0939



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.



39.4811, 59.7445, 72.4028



51.3796, 77.7678, 94.1718



21.6712, 21.1565, 75.6170



14.7670, 16.3202, 18.3040



23.0403, 34.8482, 42.3080



1.7143, 2.5798, 3.1881



# Inverse Universe

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



31.7598, 16.3643, 1.9019



41.3315, 21.2966, 2.4120



36.0846, 25.1410, 2.9522



14.4129, 14.3823, 15.1086



18.5355, 9.5484, 1.1831

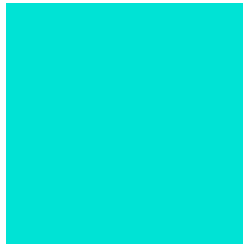


1.3825, 0.7107, 0.1547



# Previews

## White Background



This preview shows how the XYZ color 39.4793, 59.7423, 72.4014 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

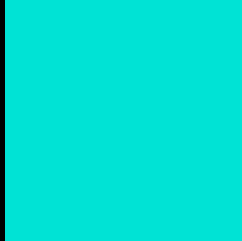
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4793, 59.7423, 72.4014 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

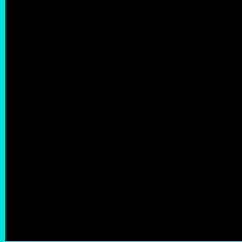
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

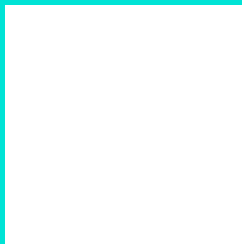
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 39.4793, 59.7423, 72.4014

## Background



This preview shows how black text looks on a background with the XYZ color 39.4793, 59.7423, 72.4014.



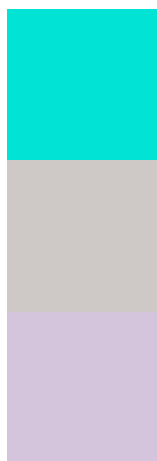
This preview shows how white text looks on a background with the XYZ color 39.4793, 59.7423,



# 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

39.4793, 59.7423, 72.4014

### Protanopia

56.3009, 58.5076, 61.7518

### Deuteranopia

59.8096, 58.6442, 75.8773



## Tritanopia

43.6810, 59.8563, 92.4703

# Trichromacy



## Original Color

39.4793, 59.7423, 72.4014



## Protanomaly

43.1862, 55.2303, 64.8843



## Deuteranomaly

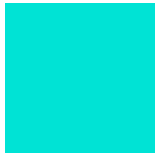
44.8289, 54.7863, 73.8577



## Tritanomaly

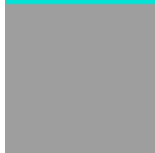
41.7067, 59.4042, 84.8693

# Monochromacy



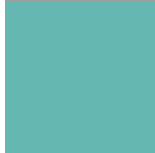
## Original Color

39.4793, 59.7423, 72.4014



## Achromatopsia

32.4990, 34.1914, 37.2345



## Achromatomaly

30.3362, 39.8480, 48.2120

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4793, 59.7423, 72.4014 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, 227, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 227, 213)  
}
```

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, 227, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 227, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4793, 59.7423, 72.4014 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, 227, 213) }
```



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

```
.border{ border-color:rgb(0, 227, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 227, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 227, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 227, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 227,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4793, 59.7423, 72.4014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 227, 213) }
```

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

```
.background{ background-color: rgb(0, 227,  
213) }
```

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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