

# Converting Colors

XYZ(39.6054, 56.6946, 74.3932)

Have a look what the booklet for  
XYZ(39.6054, 56.6946, 74.3932)  
contains.

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# Color

**XYZ(39.5432, 56.5426,  
74.4753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	39DBD9
RGB	57, 219, 217
RGB Percent	22%, 86%, 85%
CMY	0.7764, 0.1412, 0.1490
CMYK	0.74, 0.00, 0.01, 0.14
HSL	179°, 69%, 54%
HSV	179°, 74%, 86%
XYZ	39.5432, 56.5426, 74.4753
YIQ	170.3340, -95.9100, -34.9660

# Conversions

## Conversions Part 2

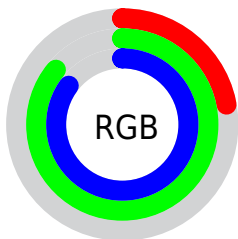
Format	Color
R <sub>Y</sub> B	57, 139, 219
Decimal	3791833
CIE Lab	79.92, -40.19, -10.83
CIE LCh	80, 41.627, 195.087
Yxy	56.5426, 0.2318, 0.3315
Android (android.graphics.Color)	4281981913 (0xFF39DBD9)
YUV	170.3340, 23.0063, -99.3939
Hunter-Lab	75.1948, -37.7219, -6.0863

# Details

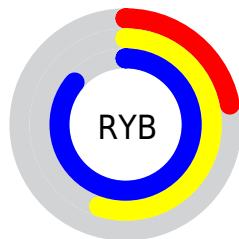
The XYZ color **39.5432, 56.5426, 74.4753** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.4678, 18.3038, 6.0138**, and the grayscale version is **38.3004, 40.2950, 43.8813**.

A 20% lighter version of the original color is **62.8633, 83.4071, 107.3937**, and **19.6188, 28.8030, 38.7079** is the 20% darker color. If you saturate the color by 10%, you get **38.5187, 56.0197, 74.2450**, and if you desaturate by 10%, it is **41.1092, 57.3471, 74.7338**.

# Distribution



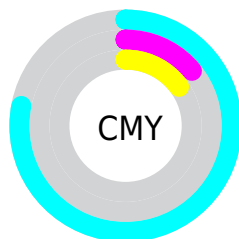
- Red (22%)
- Green (86%)
- Blue (85%)



- Red (22%)
- Yellow (55%)
- Blue (86%)



- Cyan (74%)
- Magenta (0%)
- Yellow (1%)
- Black (14%)




- Cyan (78%)
- Magenta (14%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5432, 56.5426, 74.4753 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 39.5432, 56.5426, 74.4753 by changing the saturation by 10% instead.





 39.5432, 56.5426,  
74.4753


 39.5432, 56.5426,  
74.4753


335.3620,  
411.7331, 495.3194

 27.3652, 40.6381,  
54.6840


 73.7562, 99.7975,  
127.3096


 17.9857, 28.0364,  
38.7519


 96.5219, 127.9167,  
161.1897

 11.0393, 18.3531,  
26.2604


 123.5475,  
160.8762, 200.6031

 6.1608, 11.2038,  
16.7911

 155.1984,  
199.0605, 245.9684

 2.9847, 6.2041,  
9.9252

191.8399,  
242.8540, 297.7042

 1.1457, 2.9696,  
5.2445

233.8375,

 0.0628, 1.1159,

292.6410, 356.2289

2.3302

281.5564,  
348.8059, 421.9611

■ 0.0000, 0.0000,  
0.7480

■ 0.0000, 0.0000,  
0.0000

■ 39.5432, 56.5426,  
74.4753

■ 39.5432, 56.5426,  
74.4753

■ 38.5187, 56.0197,  
74.2450

■ 41.1092, 57.3471,  
74.7338


■ 37.9557, 55.7336,  
74.0353


■ 43.2732, 58.4586,  
75.0193


■ 37.7655, 55.6380,  
73.9160


■ 46.0900, 59.9066,  
75.3356


■ 49.6071, 61.7156,  
75.6850

 53.8673, 63.9077,  
76.0695

 58.9101, 66.5033,  
76.4910

 64.7724, 69.5214,  
76.9510

 71.4885, 72.9795,  
77.4514

 79.0909, 76.8945,  
77.9935

# Harmonies

## Analogous

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



39.5329, 56.5426, 50.3592



39.5432, 56.5426, 74.4753



43.0766, 56.5426, 100.7045

# Triad

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



39.5432, 56.5426, 74.4753



66.0766, 56.5426, 100.5668



58.0288, 56.5426, 26.6830

# Complementary

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



39.5432, 56.5426, 74.4753



31.4678, 18.3038, 6.0138

# 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.



66.0368, 56.5426, 34.1628



39.5432, 56.5426, 74.4753



71.0034, 56.5426, 74.3214

# Square

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



39.5432, 56.5426, 74.4753



58.0787, 56.5426, 118.2443



70.9881, 56.5426, 50.2407



49.6268, 56.5426, 26.7038



# Rectangle

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



39.5432, 56.5426, 74.4753



47.1900, 56.5426, 114.0855



70.9881, 56.5426, 50.2407



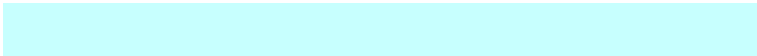
60.8741, 56.5426, 28.2951

# Sweetspot

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



39.5449, 56.5447, 74.4767



77.2252, 90.8239, 107.4843



27.9172, 51.9119, 12.4209



16.1428, 19.2411, 22.9727



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.



39.5449, 56.5447, 74.4767



53.8420, 78.8083, 104.6318



23.9563, 24.9483, 70.5729



13.4376, 14.8267, 16.7672



22.3956, 32.9909, 43.8443



1.4532, 2.1382, 2.8525



# Inverse Universe

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



31.4678, 18.3038, 6.0138



41.9018, 22.1910, 3.3611



38.6601, 32.7699, 8.1599



13.0626, 13.0541, 13.5907



17.3339, 8.9346, 0.8725

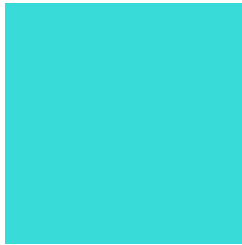


1.1253, 0.5798, 0.0689



# Previews

## White Background



This preview shows how the XYZ color 39.5432, 56.5426, 74.4753 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

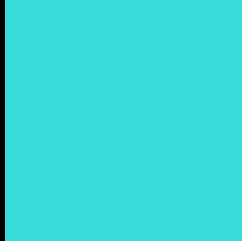
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.5432, 56.5426, 74.4753 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

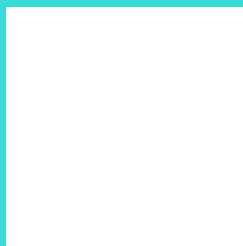
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.5432, 56.5426, 74.4753**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5432, 56.5426, 74.4753.



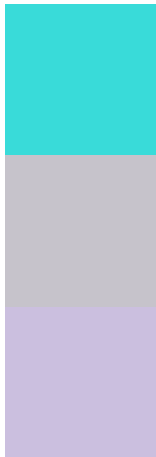
This preview shows how white text looks on a background with the XYZ color 39.5432, 56.5426,



# 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

39.5432, 56.5426, 74.4753

### Protanopia

53.5833, 55.3478, 64.3590

### Deuteranopia

56.5787, 55.2858, 77.5013



## Tritanopia

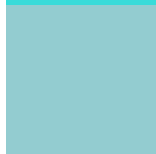
41.8614, 56.3175, 86.5059

# Trichromacy



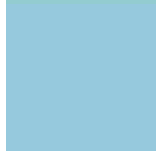
## Original Color

39.5432, 56.5426, 74.4753



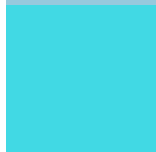
## Protanomaly

45.0107, 53.9428, 67.7142



## Deuteranomaly

46.5155, 53.4778, 76.2772



## Tritanomaly

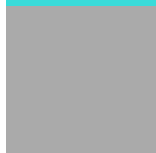
40.9964, 56.3510, 82.1149

# Monochromacy



## Original Color

39.5432, 56.5426, 74.4753



## Achromatopsia

38.2080, 40.1978, 43.7754



## Achromatomaly

36.0061, 44.2214, 53.6516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5432, 56.5426, 74.4753 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(57, 219, 217)` looks like.

```
.text, #text, p{  
    color:rgb(57, 219, 217)  
}
```

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(57, 219, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 219, 217) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5432, 56.5426, 74.4753 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(57, 219, 217) }
```



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

```
.border{ border-color:rgb(57, 219, 217) }
```

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

Here you see how a box with a 4 pixel rgb(57, 219, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 219, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 219, 217);  
box-shadow:4px 4px 4px 4px rgb(57, 219,  
217) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5432, 56.5426, 74.4753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 219, 217) }
```

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

```
.background{ background-color: rgb(57, 219,  
217) }
```

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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