

# Converting Colors

XYZ(27.2838, 39.9232, 54.2415)

Have a look what the booklet for  
XYZ(27.2838, 39.9232, 54.2415)  
contains.

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# Color

**XYZ(27.3829, 40.0693,  
54.4350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BDBD
RGB	0, 189, 189
RGB Percent	0%, 74%, 74%
CMY	0.9998, 0.2588, 0.2588
CMYK	1.00, 0.00, 0.00, 0.26
HSL	180°, 100%, 37%
HSV	180°, 100%, 74%
XYZ	27.3829, 40.0693, 54.4350
YIQ	132.4890, -112.6440, -40.0680

# Conversions

## Conversions Part 2

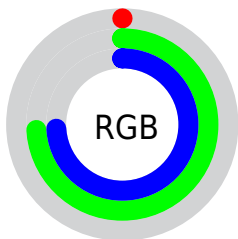
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 95, 189
Decimal	48573
CIELab	69.52, -38.39, -11.29
CIELCh	70, 40.011, 196.386
Yxy	40.0693, 0.2247, 0.3287
Android (android.graphics.Color)	4278238653 (0xFF00BDBD)
YUV	132.4890, 27.8599, -116.1929
Hunter-Lab	63.3003, -33.5588, -6.6761

# Details

The XYZ color **27.3829, 40.0693, 54.4350** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **20.9876, 10.8201, 0.9835**, and the grayscale version is **22.0451, 23.1931, 25.2573**.

A 20% lighter version of the original color is **54.9167, 75.3289, 98.0317**, and **13.1079, 19.1055, 26.2894** is the 20% darker color. If you saturate the color by 10%, you get **27.3836, 40.0705, 54.4359**, and if you desaturate by 10%, it is **27.6510, 40.2084, 54.4485**.

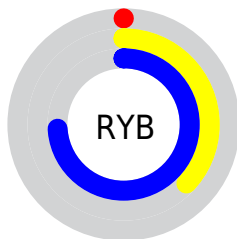
# Distribution



Red (0%)

Green (74%)

Blue (74%)



Red (0%)

Yellow (37%)

Blue (74%)

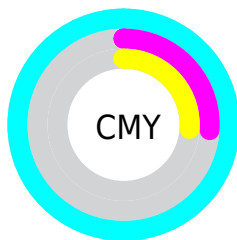


Cyan (100%)

Magenta (0%)

Yellow (0%)

Black (26%)



Cyan (100%)

Magenta (26%)


Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3829, 40.0693, 54.4350 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 27.3829, 40.0693, 54.4350 by changing the saturation by 10% instead.





 27.3829, 40.0693,  
54.4350

 27.3829, 40.0693,  
54.4350


281.6402,  
346.4156, 420.9881


 17.9991, 27.5926,  
38.5540


 54.9133, 75.2690,  
98.1755


 11.0490, 18.0188,  
26.1078


 73.7905, 98.7608,  
126.8720

 6.1673, 10.9635,  
16.6778


 96.5629, 126.6931,  
160.6776

 2.9887, 6.0423,  
9.8455

 123.5959,  
159.4503, 200.0105

 1.1478, 2.8708,  
5.1924

 155.2547,  
197.4167, 245.2895

 0.0645, 1.0647,  
2.2999

191.9048,

 0.0000, 0.0000,

240.9768, 296.9331

0.7311

233.9115,  
290.5150, 355.3598

■ 0.0000, 0.0000,  
0.0000

■ 27.3829, 40.0693,  
54.4350

■ 27.3829, 40.0693,  
54.4350

■ 27.3836, 40.0705,  
54.4359

■ 27.6510, 40.2084,  
54.4485

■ 28.1771, 40.4796,  
54.4732

■ 29.0563, 40.9328,  
54.5145

■ 30.3357, 41.5924,  
54.5744

■ 32.0555, 42.4790,  
54.6550

■ 34.2507, 43.6106,  
54.7578

■ 36.9530, 45.0037,  
54.8844

■ 40.1912, 46.6731,  
55.0360

■ 43.9921, 48.6325,  
55.2139

# Harmonies

## Analogous

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



27.2584, 40.0693, 35.7915



27.3829, 40.0693, 54.4350



30.1547, 40.0693, 74.7259

# Triad

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



27.3829, 40.0693, 54.4350



47.7875, 40.0693, 72.9998



41.0789, 40.0693, 17.4132

# Complementary

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



27.3829, 40.0693, 54.4350



20.9876, 10.8201, 0.9835

# 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.



47.2956, 40.0693, 22.6354



27.3829, 40.0693, 54.4350



51.4539, 40.0693, 52.5337

# Square

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



27.3829, 40.0693, 54.4350



41.6915, 40.0693, 87.3433



51.2643, 40.0693, 34.3564



34.6921, 40.0693, 17.6554



# Rectangle

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



27.3829, 40.0693, 54.4350



33.3299, 40.0693, 84.9335



51.2643, 40.0693, 34.3564



43.2714, 40.0693, 18.5065

# Sweetspot

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



27.3841, 40.0708, 54.4360



65.9159, 80.4626, 98.2825



18.2383, 36.4170, 6.0691



13.7159, 17.0665, 21.1137



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



27.3841, 40.0708, 54.4360



49.0426, 71.7641, 97.4918



13.5230, 12.3483, 49.8164



9.8086, 10.8096, 12.2417



18.4240, 26.9599, 36.6251



0.7217, 1.0560, 1.4346



# Inverse Universe

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



20.9876, 10.8201, 0.9835



37.5865, 19.3765, 1.7591



24.7601, 18.3652, 2.2410



9.5302, 9.5364, 9.9151



14.1202, 7.2792, 0.6609

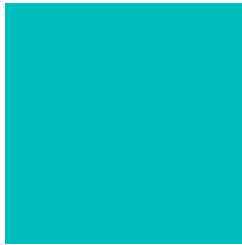


0.5531, 0.2851, 0.0259



# Previews

## White Background



This preview shows how the XYZ color 27.3829, 40.0693, 54.4350 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 27.3829, 40.0693, 54.4350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

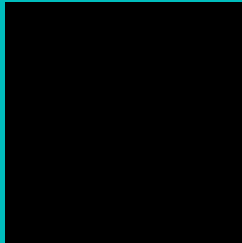
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

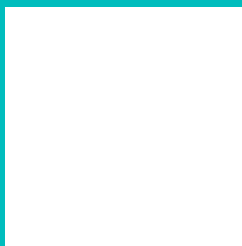
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.3829, 40.0693, 54.4350**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.3829, 40.0693, 54.4350.



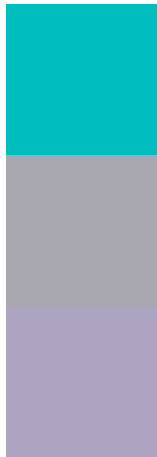
This preview shows how white text looks on a background with the XYZ color 27.3829, 40.0693,



# 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

27.3829, 40.0693, 54.4350

### Protanopia

38.2013, 39.5749, 46.6996

### Deuteranopia

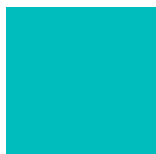
40.2466, 39.3302, 56.5092



## Tritanopia

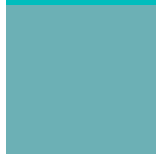
29.0907, 40.1450, 62.0926

# Trichromacy



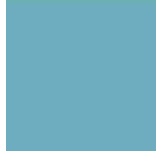
## Original Color

27.3829, 40.0693, 54.4350



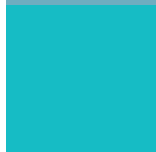
## Protanomaly

30.0502, 37.5750, 49.3850



## Deuteranomaly

30.8884, 37.0079, 55.3844



## Tritanomaly

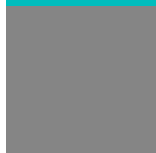
28.3921, 40.1682, 59.0801

# Monochromacy



## Original Color

27.3829, 40.0693, 54.4350



## Achromatopsia

22.2940, 23.4551, 25.5426



## Achromatomaly

20.8873, 27.0137, 34.2503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.3829, 40.0693, 54.4350 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, 189, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 189)  
}
```

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, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 27.3829, 40.0693, 54.4350 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, 189, 189) }
```



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

```
.border{ border-color:rgb(0, 189, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 189, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.3829, 40.0693, 54.4350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 189) }
```

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

```
.background{ background-color: rgb(0, 189,  
189) }
```

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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