

# Converting Colors

XYZ(27.2405, 39.2764, 55.4364)

Have a look what the booklet for  
XYZ(27.2405, 39.2764, 55.4364)  
contains.

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# Color

**XYZ(27.2870, 39.3603,  
55.4493)**

# Conversions

## Conversions Part 1

Format	Color
Hex	09BBBF
RGB	9, 187, 191
RGB Percent	4%, 73%, 75%
CMY	0.9645, 0.2667, 0.2510
CMYK	0.95, 0.02, 0.00, 0.25
HSL	181°, 91%, 39%
HSV	181°, 95%, 75%
XYZ	27.2870, 39.3603, 55.4493
YIQ	134.2340, -107.3720, -36.4920

# Conversions

## Conversions Part 2

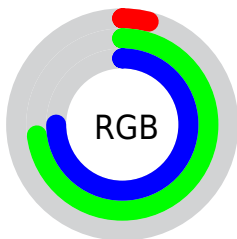
<b>Format</b>	<b>Color</b>
<b>RYB</b>	9, 99, 191
Decimal	637887
CIELab	69.01, -36.58, -13.14
CIELCh	69, 38.873, 199.760
Yxy	39.3603, 0.2235, 0.3224
Android (android.graphics.Color)	4278827967 (0xFF09BBBF)
YUV	134.2340, 27.9856, -109.8302
Hunter-Lab	62.7378, -32.1548, -8.4856

# Details

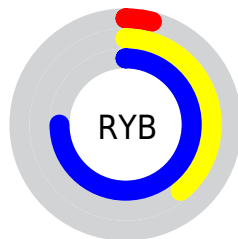
The XYZ color **27.2870, 39.3603, 55.4493** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **21.6802, 11.3853, 1.3147**, and the grayscale version is **22.6801, 23.8612, 25.9849**.

A 20% lighter version of the original color is **54.8481, 74.3598, 99.4578**, and **12.9750, 18.6100, 26.9530** is the 20% darker color. If you saturate the color by 10%, you get **27.1328, 39.2191, 55.4309**, and if you desaturate by 10%, it is **27.7471, 39.7307, 55.4973**.

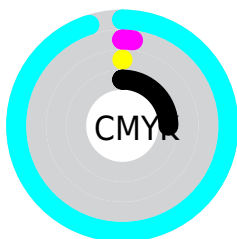
# Distribution



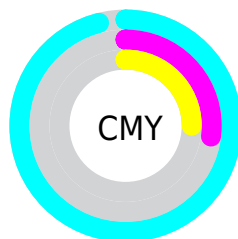
- Red (4%)
- Green (73%)
- Blue (75%)



- Red (4%)
- Yellow (39%)
- Blue (75%)



- Cyan (95%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)



- Cyan (96%)
- Magenta (27%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2870, 39.3603, 55.4493 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 27.2870, 39.3603, 55.4493 by changing the saturation by 10% instead.



■ 27.2870, 39.3603,  
55.4493

■ 27.2870, 39.3603,  
55.4493

■ 281.1863,  
343.4199, 424.9427

■ 17.9266, 27.0401,  
39.3605

■ 54.7607, 74.1884,  
99.6767

■ 10.9967, 17.6034,  
26.7303

■ 73.6047, 97.4651,  
128.6524

■ 6.1319, 10.6656,  
17.1402

■ 96.3406, 125.1629,  
162.7608

■ 2.9669, 5.8425,  
10.1715

■ 123.3338,  
157.6659, 202.4205

■ 1.1363, 2.7495,  
5.4057

■ 154.9496,  
195.3588, 248.0500

■ 0.0551, 1.0024,  
2.4243

191.5534,

■ 0.0000, 0.0000,

238.6258, 300.0678

0.7997

233.5105,  
287.8514, 358.8925

■ 0.0000, 0.0000,  
0.0000

■ 27.2870, 39.3603,  
55.4493

■ 27.2870, 39.3603,  
55.4493

■ 27.1328, 39.2191,  
55.4309

■ 27.7471, 39.7307,  
55.4973

■ 28.5373, 40.2708,  
55.5599

■ 29.7135, 41.0104,  
55.6406

■ 31.3203, 41.9722,  
55.7416

■ 33.3961, 43.1763,  
55.8646

■ 35.9752, 44.6402,  
56.0112

■ 39.0887, 46.3800,  
56.1830

■ 42.7650, 48.4103,  
56.3811

■ 47.0307, 50.7449,  
56.6069

# Harmonies

## Analogous

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



26.8747, 39.3603, 37.0761



27.2870, 39.3603, 55.4493



30.2344, 39.3603, 74.5111

# Triad

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



27.2870, 39.3603, 55.4493



47.2553, 39.3603, 68.8738



39.5676, 39.3603, 17.2968

# Complementary

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



27.2870, 39.3603, 55.4493



21.6802, 11.3853, 1.3147

# 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.



45.6414, 39.3603, 21.7415



27.2870, 39.3603, 55.4493



50.3932, 39.3603, 49.2089

# Square

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



27.2870, 39.3603, 55.4493



41.5822, 39.3603, 83.6242



49.7720, 39.3603, 32.3314



33.5282, 39.3603, 18.1091



# Rectangle

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



27.2870, 39.3603, 55.4493



33.4410, 39.3603, 83.4716



49.7720, 39.3603, 32.3314



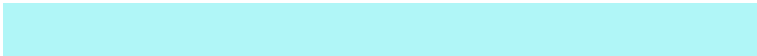
41.6829, 39.3603, 18.1642

# Sweetspot

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



27.2882, 39.3618, 55.4503



67.5479, 81.6966, 100.4880



18.8111, 37.3472, 6.5677



14.3168, 17.6509, 22.0377



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



27.2882, 39.3618, 55.4503



48.5692, 70.1903, 99.2673



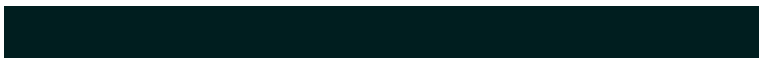
13.7912, 12.3678, 50.9513



9.7901, 10.7726, 12.2355



17.8393, 25.7903, 36.4307



0.7045, 1.0217, 1.4289



# Inverse Universe

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



30.5543, 14.8609, 48.2732



54.4955, 26.2435, 86.1302



26.3916, 20.8080, 2.8851



9.9207, 9.6926, 11.9712



20.0052, 9.6332, 31.6508

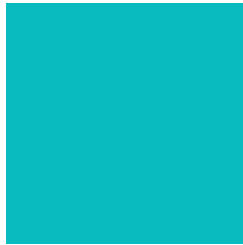


0.7865, 0.3785, 1.2551



# Previews

## White Background



This preview shows how the XYZ color 27.2870, 39.3603, 55.4493 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 27.2870, 39.3603, 55.4493 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

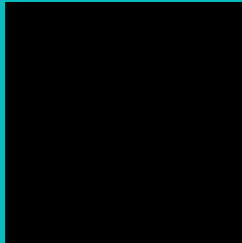
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

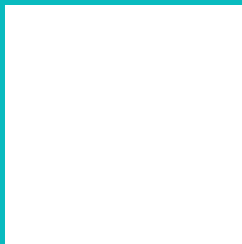
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.2870, 39.3603, 55.4493**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.2870, 39.3603, 55.4493.



This preview shows how white text looks on a background with the XYZ color 27.2870, 39.3603,



# 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

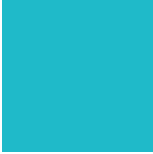
27.2870, 39.3603, 55.4493

### Protanopia

37.6084, 38.7023, 47.6076

### Deuteranopia

39.4232, 38.6149, 57.6002



## **Tritanopia**

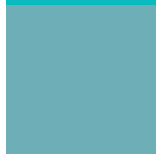
28.6666, 39.6262, 61.3961

# Trichromacy



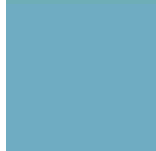
## Original Color

27.2870, 39.3603, 55.4493



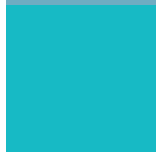
## Protanomaly

30.1137, 37.0060, 50.3555



## Deuteranomaly

31.0457, 36.7796, 56.5018



## Tritanomaly

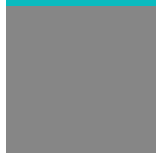
27.9903, 39.3312, 58.9398

# Monochromacy



## Original Color

27.2870, 39.3603, 55.4493



## Achromatopsia

22.6597, 23.8398, 25.9615



## Achromatomaly

21.4275, 27.2729, 35.1452

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.2870, 39.3603, 55.4493 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(9, 187, 191)` looks like.

```
.text, #text, p{  
    color:rgb(9, 187, 191)  
}
```

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(9, 187, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 187, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 27.2870, 39.3603, 55.4493 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(9, 187, 191) }
```



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

```
.border{ border-color:rgb(9, 187, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 187, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 187, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 187, 191);  
box-shadow:4px 4px 4px 4px rgb(9, 187,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.2870, 39.3603, 55.4493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 187, 191) }
```

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

```
.background{ background-color: rgb(9, 187,  
191) }
```

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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